

DX News

•Serving DX'ers since 1933•

Volume 60, No. 24 - April 19, 1993 (ISSN 0737-1659)



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CPC Test Calendar

Call	Freq	Date	EST Time
WVHI	1330	April 19, 1993	0100-0400

From the Publisher ... Ernie Wesolowski, at several locations in his travels, noted a 1 kHz tone, or het, on the upper side of 1000 kHz, which seemed to emanate from central America or Cuba. His note to the FCC generated a request for further information from other DX'ers, including a general idea of the direction of the transmission. If you hear it, send details to the Federal Communications Commission, Field Operations Bureau - Attn.: Signal Analysis Branch - 1919 M. Street NW - Washington, DC 20554. Ernie also asked that anyone who was interested in sharing a ride to the IRCA convention in June could contact him - 13312 Westwood Lane - Omaha, NE 68144-3543.

Ken Chatterton, NRC Publications manager, asks that anyone who received a station location map book which isn't quite right to let him know the nature of the problem so that he can replace them; don't return faulty copies unless he asks for them.

Dave Schmidt ran across another supply of NOS radio tubes. You can send an SASE for a list to Typetronics - Box 8873 - Fort Lauderdale, FL 33310. Tubes are listed in alpha order.

New member José Benito Martínez is writing a book on radio formatter Bill Drake and would like information from anyone familiar with the stations that Drake formatted in the '60's and '70's, such as WHBQ, CKLW, KAKC, WOR-FM, plus from music surveys, air talents, format changes, etc. Contact him at KYNO - 2125 N. Barton Ave. - Fresno, CA 93703-2698.

A new book from TAB books, *Shortwave Listening for Beginners*, by Anita Louise McCormick, includes a chapter on "Long-Distance AM Listening" (plus information on the NRC). Although the book is of course oriented towards shortwave listening, it is crammed with sources of information about equipment, clubs, etc. The paperback version is available at \$10.95; for

more information, contact Kimberly Martin at (800) 233-1128, x232.

Jim Conrad's annual GTG for DX'ers will be in LaCrosse, WI May 21-23 at the Holiday Inn. You can get more information by phoning Jim at (319) 232-7307; the reservation line to the hotel is (608) 784-9500.

Welcome to these new members ... Louis M. Poda, Akron, OH (rejoins); Larry V. Flegle, Woodstock, GA; Armand E. Pelland, So. Bellingham, MA; Charles A. Territo, Bridgewater, NJ; Stanley C. Byers, Glenview, IL; Walter G. Windish, Wayne, NJ; Harold F. Parshall N8FRP, Dayton, OH; José Benito Martínez, Fresno, CA; and Stephen Jarvis, Long Beach, CA.

Remaining DXN Schedule, Volume 60

#	Deadline	Pub. Date	25.	April 23	May 3	28.	July 16	July 26
26.	May 21	May 31	29.	Aug. 13	Aug. 23			
27.	June 18	June 28	30.	Sept. 10	Sept. 20			

DX Time Machine

From the pages of DX News:

50 years ago ... from the Apr. 10, 1943 DXN: Stuart Leland, Stamford, CT reported that WJSV-1500, formerly owned by James S. Vance, became WTOP on April 4. Ray Edge, Buffalo, NY was one of the few easterners to hear the March 27 DX from KBPS-1450 and had received a verie ... From the Apr. 24 DXN: A list of all Canadian BCB stations was published, courtesy of Al Bartholomew, Bradford, NY. Editor Ray Edge, Buffalo, NY reported that he had verified 92 new stations since Oct. 1, 1942.

25 years ago ... from the April 13, 1968 DXN: A number of members complained about the "waste of space" for April Fool's items ... others reported "grinning for the rest of the day".

10 years ago ... from the April 18, 1983 DXN: Brian Vernon, Gamsell River, NWT reported hearing WPIR-1540 several times, but not KXEL ... Pete Kemp mentioned the death of Arthur Godfrey in "Radio Roundup."

AM Switch

Jerry Starr
c/o WHOT Radio
4040 Simon Road
Youngstown, OH 44512-1320

Status changes in AM stations, supplied by the FCC and listeners

CALL LETTER CHANGES

Old call:	New call:	Old call:	New call:
790 WWDB SC Bamburg	WRIT	1140 KPRW OK Oklahoma City	KVSP
910 WVVO SC Dorchester	WIMZ	1170 WARW NY Cornwall	WRWD
1080 WRIT SC Walterboro	WALD	1230 WVNZ VA Lynchburg	WKPA
1110 WMMX OH Fairborn	WGNZ	1230 KEMN MT Bozeman	KZLO

APPLICATIONS/GRANTS FOR NEW STATIONS

None



APPLICATIONS FROM EXISTING FACILITIES

750 WNYS NY Canton: reduce day power to 2500 watts (this is a new station that has not yet been built)
 980 WWRC DC Washington: day power to 50000 watts
 1140 WNHA NH Concord: reduced power to 2500 watts (this is a new station that has not yet been built. Note that the Log incorrectly gives this call as WHNA)

GRANTS TO EXISTING FACILITIES

740 WIAC PR San Juan: relocate transmitter site
 1500 KUMU HI Honolulu: powers to 50000/50000 02, relocate transmitter site

OTHERNESS

580 KZMX SD Hot Springs, silent since mid February, station is again ON THE AIR, returned on 3-9-93 with a new country format
 750 KMMJ NE Grand Island: local monitors report this station has recently been running at night even though the FCC continues to show them as a 13 station with no night operation to protect dominant WSB on 750. We don't have an answer for this one but will keep our eye on the situation.
 800 WKZI IL Casey: silent station is being sold and may return to the air soon (and just in case you might be interested, Casey is actually pronounced Kay-Zee)
 910 WIMZ SC Dorchester: silent on WVVO, is now ON THE AIR
 1020 KASR OK Perry: silent on KRAD, is now ON THE AIR
 1250 KKPX WA Seattle: station is SILENT
 1270 KDJ1 AZ Holbrook: silent station is ON THE AIR, had been off due to flood damage. By the way, their carry the morning show (6 to 9 AM MST) from KVNA-690 kHz in Flagstaff, then go into local programming
 1310 WDPN OH Alliance: the Log lists this station with the old call WFAM, it is now WDPN.
 1340 KSKI ID Hailey: station is SILENT
 1400 WGTN SC Georgetown: station is SILENT
 1460 KCCL AR Paris: station is SILENT
 1480 WJHB NC Fair Bluff: station is SILENT
 1500 WTNE TN Trenton: recently reported to be "silent for repairs" but we wonder if perhaps they are finally

exercising their CP to move to 890 kHz. The Log already lists WTNE on 890. Can somebody in that area check this one out please?

1530 WCRJ FL Jacksonville: station is SILENT
 1550 WVAB VA Virginia Beach: after several false starts, this silent station is ON THE AIR with business talk 24 hours a day (Yes, they DO run 9 watts at night)
 1580 WWOI NC Camp Lejeune: station has been SILENT since the "Storm of the Century". Reporter Mike Hardester reports their transmitter and antenna site appears to still be intact. A call to the station was answered by the cleaning lady at the church where the studios are located. She had no knowledge of the station.
 1600 WWBR TN Harriman: license renewal for this station which has been silent since 2/88 has been DISMISSED, looks like you can delete it from your Log.

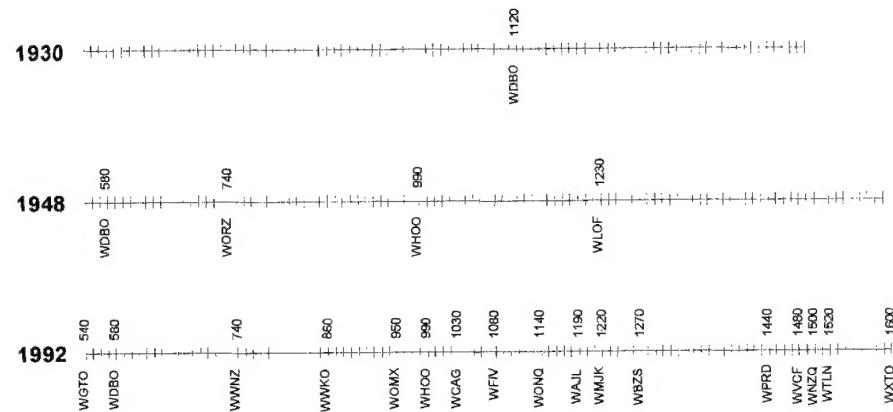
THANKS: Al Merriman, Mike Hardester, John D. Bowker, Bob McCoy, Ed Krejny, Paul Page, Ron Musco, Roy Varner and MSJ.

73 and Good DX, *Danny & BKF* Jerry Starr & Buffalo K. Foonman

Now and Then John D. Bowker

Dial changes in AM markets, from 1930 to 1948 to 1992

ORLANDO, FL MARKET



The highlights of the 1992 NRC Convention at Omaha are available on four C-90 cassette tapes in a convenient carrying/storage case for \$9.50. Order your set now from NRC Publications. New York residents, please add sales tax.

Domestic DX Digest

North: Bill Hale

495 Creekview Drive - Meridian, ID 83642-3241

South: Duncan Shaw

2618 Ellendale Place, #3 - Los Angeles, CA 90007

East: Dave Braun

11 Mill Bend Acres - Wyoming, DE 19934-9523

DX Catches in the U. S. and Canada, with 24-hr. ELT



DDXD-North



MEDIUM WAVE RAMBLINGS



□ The deadlines are very important now that we're into the non weekly schedule. Remember, DX older than 30 days from the time the column goes in to the publisher will be weeded out. So report soonly. Deadlines for DDXD-N are as follows (all Saturdays):

Issue 26	May 15	Issue 29	Aug 7
Issue 27	Jun 12	Issue 30	Sep 4
Issue 28	Jul 10		

□ Thanks to Bob Gilfert for the phone call. Always nice to hear from you *Easterers*. And Tom Bryant of Nashville writes with some unID help. Maybe.

□ Richard Palmer of Decatur, Illinois settles an unID question from the MBDXP three issues ago. See details in Beacons. Thanks, Richard. Hope to hear more from you. I used to live about 70 miles from there!

□ For those of you who have purchased the new **Mapbook**, I have a one correction for you which will require little effort. On Page 126 (1400 kHz list, 2nd page), change the number for **WTIJ** Roxbury, NH from 98 to 100. Prior information had the location near Hanover, but newly acquired data shows the Roxbury transmitter location less than 5 miles from that of the CP for Marlborough. So, one of those has to be deleted. Don't know how the FCC could license two stations on the same frequency so close to each other . . . well, maybe . . . so will retain both listings until we hear something solid through the **AM Switch** column. Other than a few deletions, and of course all the call letter changes, the **Mapbook** is still in good shape. And we're two months after the baseline!

□ DX Reports are welcome via mail, phone (208-888 7398 before 2100 Mountain Time), Prodigy (MTFH12A) or the Broadcast Message area on FidoNet.

□ The offer still stands for the free DDXD Reporting sheets. Send a legal sized SASE (2 ounce rate) and request them with your next report. What the heck? Use 'em up. We'll print more.

□ Add one radio-related program on shortwave. I just saw on FidoNet that a new program called **Spectrum** will debut on May 2 at 0330 UTC from WWCR on 7435 kHz. It's supposed to cover "dirt to daylight". Other than that, I have no other details. CU May 3.

ISN'T THAT SPECIAL



1030 WCTS MN Maplewood - 3/12 2358 - Good with GOS music, weather report, TC & WCTS ID: *You're listening to the bible station, WCTS AM Maplewood-Minneapolis-St. Paul*. New. (SA-MB)

KBEQ MO Blue Springs - I saw on FidoNet where KBEQ is now C&W, and simulcasting with Kansas City sister station KBEQ-FM 104.3. [Ed.-ID]

1290 WAMX MI Saline - 3/14 - No longer | 102.9 WIQB, as is back to AC format which they were 10 years ago. Slogan - *Ann Arbor's Adult Music Experience - WAMX*. This is their 7th format change in 12 years, so the success story continues. Ex: WNRS, WIBQ. (JL-OH)



UNIDs and UNID HELP

1600 KWMX CO Lakewood - 3/17 0650 - Good with lite rock/CHR music, lots of *Mix 107 point 5* non-IDs. At 0655 **KWMX FM, AM Lakewood-Denver**, a division of Jefferson - ? Communications ID. Ex: KXY. New. (SA-MB) [Maybe that was **Jefferson-Pilot Communications** (?) - Ed.]

1060 UNID ?? - The unID heard by MH-NE on 2-28 at 2024 [See Issue 19 -Ed.] is definitely NOT KGFX! They have a country format, while KGFX-FM 92.7 is rock. They never simulcast. *The All-New 93* is a slogan never heard on either KGFX AM or FM. The FM uses the slogan *KG 93*. (BM-SD) [Mitchell Scott Paul of Minneapolis reports (via phone) that he's heard a good, clear ID from WPMX Tupelo, MS along with their rap format and an ID as *The New 92*. And I IDd Mitchell as "Michael" last issue, too. Grrrr - Ed.]

1080 UNID ?? - 3/13 2353 - Good with OC and TT. Bits of country music between TTs. Gone at 0001. No ID ever given. (SA-MB)

1220 WFKN TN Franklin - or
WAXO TN Lewisburg - Either may be **Rick Dau's** unID (Musings Issue 21) with Commodore Radio Network. Maybe some of the sports gurus can throw a dart at the right one. I don't have access to **Vandy**'s station list, and their PR office doesn't seem to know much more than the fact that WLAC is their flagship station! If both of these guys carry it, you're outta luck! (TB-TN)

1230 CJLB or any of at least six other stations from Alberta to Ontario could be **RD-IA's** unID [see Issue 21 -Ed.] with mention of *Canada's Coast-to Coast*. (SA-MB)

1420 UNID ?? - NO DATE 0522 - Heard CL **WPBQ** with AC music. Could this have been Owensboro, KY? Poor ⇒ fair signal. (AM-IL) [One of their 3 nighttime lobes does favor your area, but the CLs don't match. Unless they simulcast, and the CLs you heard are the FM's - Ed.]

DX AND EQUIPMENT TESTS

790 WLKW RI Providence - 3/29 - CID heard on DX Test. Think it was only on 0003-0007. JS-OH)
WLKW RI Providence - 3/29 0000-0015 - Not heard amongst the jumble. (JL-OH)

960 KGWA OK Enid - 3/1 - Although test was a no show as mentioned in this section in Issue 22, it WAS NOT a second no show. The first test indeed ran, and I was among those who heard it. In writing up the test info for the 3/1 test [See Issue 16 for the notice - Ed.], I said *The test which ran in December was conducted on standby equipment and Mr. Clark has asked to repeat the test for the benefit of DXers*. Mr. Scott Clark, the CE at KGWA ran the test in December, but because of an equipment problem with the main transmitter, had to run the test on standby equipment. Even though he would have had an excuse not to run the DX test, he did so anyway, even though he could not use his normal transmitting facilities. Mr. Clark telephoned me the next day and explained the situation and asked if the test could be repeated when the main transmitter was up and running. TO ALL DXers . . . PLEASE read the DX test notices carefully. Often the blame is placed on the station personnel when careful reading of the notices could prevent incorrect assumptions. (J.D. Stephens - IRCA CPC Chairman) [Ditto on the comments about assuming a test did not run just because it wasn't heard in your shack - Ed.]

1090 KTNS CA Oakhurst - 3/9 0300 - Only KAAY. Nothing heard from test station. (SA-MB)

1150 KWKY IA Des Moines - 3/15 0100-0130 - Heard 1 kHz TT at 0114. That was it as CKOC dominated the frequency. (JL-OH)

1280 WCPM KY Cumberland - 4/1 0100-0115 - Test consisted of 1 kHz TTs lasting from one to three minutes with 30 second breaks in between. These breaks could have contained VIDs, but I couldn't hear any because of the usual 1280 pile-up. Poor ⇒ fair under WJAS/WWOK/unID SS. (JL-OH)

TIS STUFF

1610 **TIS CA** **Dunsmuir (near)** - 3/29 0710-0735 - Fair with message explaining California's Inspection Station Program. *You are approaching the California Department of Food and Agriculture Inspection Station. All vehicles must stop . . . Located on Interstate 5.* (JW-OR)

TIS WI **Kenosha** - 3/13-14 - After listening to this TIS for several cycles of the tape loop, have determined they do not give their call sign. Just gives standard what-to-see and what-to-do stuff and 1-800 number as reported previously. (TR-WI)

1620WNWZ9xx **IL** **Bentonville** - Is most likely **DHM-IA**'s unID [Issue 20-Ed.], which is a PIS (Public Information Station). (SA-MB)

UNID CA? - 4/2 0520-0600 - Poor with a few readable words. Woman with recorded message concerning a library or museum. Looped NW-SE. Probably California. Believe this is signal recently reported by **DHM-IA** [Issue 20 - Ed.]. Heard occasionally since January. (JW-OR)

BEACONS

512 **XKQ OK** **Lexington** - This is the unID Bee-Cone heard by the **MBDXP** (Issue 21). Located at Lexington, it's operated by the Oklahoma Military Department, Army Aviation Support Facility, OKARNG, Highway 39 East & 144th Avenue, Lexington, 73051-9549. (RP-IL) [Also IDed by **Randy Masure** of Bushkill, PA. Thanks, guys! Another mystery solved! - Ed.]

MIDNIGHT TO 0800 HOURS ELT

550 **KMVI HI** **Wailuku** - 3/15 0450-0500 - Good with music program *Sound of Portugal*. Announcement about TV channels off due to weather! Sign-off for maintenance at 0458 with SSB. (JW-OR)

830 **KIKI HI** **Honolulu** - 3/29 0500 - Fair with ID: *Hawaii's oldies and classic rock station, KIKI Honolulu* (JW-OR)

1080 **CKSA AB** **Lloydminster** - 3/14 0015 - Good with weather for Lloydminster, local ads ⇒ C&W music. IDs as *Country One-Oh-Eight*. No longer CHR. (SA-MB)

1370 **WHPD OH** **Toledo** - 3/26 0002 - Good with *Kansas* vs *California* basketball in the NCAA tourney. Ad for *CNA Insurance*. (TR-IL)

1410 **KRWB MN** **Roseau** - 3/22 0630 - Strong with sign-on (new time). Power and other info is good. (SA-MB)

1430 **CJCL ON** **Toronto** - 3/31 0448 - Poor ⇒ fair with slogan *Sports Radio 1430, The Fan in Blue Jays vs Phillies baseball game*. (AM-IL)

1480 **KCGX MT** **Sydney** - 3/16 0657 - Good with *KCGX* ID ⇒ MBS News, and C&W music afterwards. (SA-MB)

1580 **WEAM GA** **Columbus** - 3/13 0458 - Poor ⇒ fair with black gospel music. (AM-IL)

0800 TO 1600 HOURS ELT

Zippol

1600 TO 2400 HOURS ELT



650 **WSM TN** **Nashville** - 3/30 2318 - Fair with ads for *Bob Evans Restaurant & General Store*, *Nashville Now* on TNN, and *J.B. Hunt Transport*. (TR-IL)

660 **WFAN NY** **New York** - 3/9 1930 - Poor in WMAQ splash. Surfaced briefly with ad for *Chase Manhattan Bank*. (TR-IL)

690 **CBF PQ** **Montreal** - 3/30 2315 - Good with FF talk mentioning *Quebec*. FF music on order of heavy metal rock. EE 940 *CBM* absent. (TR-IL)

760 **WJR MI** **Detroit** - 3/30 2313 - Fair with Michigan and Ontario road conditions on *WJR's Road Watch America*. (TR-IL) [That sounds like an IRN slogan? - Ed.]

800 **CKLW ON** **Windsor** - 3/30 2310 - Fair ⇒ poor with talk about police scheme to execute outstanding arrest warrants. (TR-IL)

820 **WBAP TX** **Fort Worth** - 3/30 2308 - Fair ⇒ poor with *Sports Byline* show. (TR-IL)

840 **WHAS KY** **Louisville** - 3/30 2305 - Poor ⇒ fair with ads for *Terminex & Value Rite Pharmacy*. *84 WHAS* brings you the news around the clock followed by weather and *Newsradio 84* slogan. (TR-IL)

860 **CJBC ON** **Toronto** - 3/30 2323 - Fair ⇒ poor with FF interview show. EE 740 absent. (TR-IL)

910 **KUJS OK** **Miami** - 3/10 2303 - Fair ⇒ poor with ad for music knowledge preceded by, and followed by, news. [?? - Ed.] said from the Washington News Desk. ID mentioning also 100.9 *KGLC*. New. (TR-IL)

950 **WPEN PA** **Philadelphia** - 3/8 1806 - Poor in *CKBB* null with ID as *950 AM WPEN* ⇒ BBD-era schmalz. (MB-ON) [Schmalz? - Ed.]

1050 **CHUM ON** **Toronto** - 3/30 2330 - Fair ⇒ poor with oldies and slogan *Toronto's All-Oldies Station*. (TR-IL)

1120 **KMOX MO** **St. Louis** - 3/9 1952 - Good with talk about hockey contract of *Brett Hull* of *St. Louis Blues* with *Blues* president. Sports Open Line promo for *Jim White Show*. (TR-IL)

1180 **WHAM NY** **Rochester** - 3/9 1950 - Good with sportstalk with Rochester newspaper sports columnist talking about baseball stadium. (TR-IL)

1310 **WTLC IN** **Indianapolis** - 3/9 1830 - Good, creaming *CIWW*, with promo for *Sesame Street Live* at Market Square Arena sponsored by *WTLC*. ID as *Gold at heart, AM 1310 WTLC, Indianapolis* ⇒ *Take The A-Train*. Last heard as *WTUX*. They've been through many calls since I first logged them in 1977 as *WIFE*. (MB-ON)

1550 **WBST IN** **Muncie** - 3/9 1945 - Fair ⇒ poor with oldies. New. (TR-IL)

REPORTERS

TR-IL **Thomas J. Reiser** **Chicago, IL**; Sony ICF-2003 barefoot or **TR-WI** about 20 miles west of Kenosha, WI

JL-OH **Jeffrey Less** **Toledo, OH**; Panasonic R-5000A

RP-IL **Richard Palmer** **Decatur, IL**

TB-TN **Tom Bryant** **Nashville, TN**; unID help

SA-MB **Shawn Axelrod** **Winnipeg, MB**; ICOM R-70 w/PLAM board & 0.5, 2.4 & 4 kHz filter + 4' box loop or 100' lw (x2)

JS-OH **Jerry Starr Hubbard**, OH;

BM-SD **Bill Moser** **Pierre, SD**;

MB-ON **Mike Brooker** **Toronto, ON**; Panasonic RF-2200; Sony ICF-7600D

AM-IL **Alan Millmaker** **Centralia, IL**; R-5000 + Palomar Loop

JW-OR **Jack Woods** **Walport, OR**; Barlow-Wadley XCR-30 + Martens Loop

Ed.-ID **Editor Meridian, ID**;

GRAVEYARD DX UPDATE

1230 kHz:

WCKJ GA **Augusta**

Dave Braun

Falls Church, VA

462

WGKA

P.O. BOX 52128
ATLANTA, GEORGIA 30355

1240 kHz:

WHz OH Zanesville

Dave Braun

Falls Church, VA

267

Totals:

1230 1240 1340 1400 1450 1490 Total

DAVE BRAUN Falls Church, VA

14 16 6 11 4 11 62

DAVE BRAUN Dover, DE

3 6 6 4 5 5 29

ABBREVIATIONS AND SPECIAL SYMBOLS USED IN DDXD - North

||:parallel with/to =>:to or into :00:on the hour AC:Adult contemporary AP:Associated Press
 BBD:big band BRN:Business Radio Net C&W:country & western CCR:contemporary Christian
 CHR:contemporary hit radio CID:code ID CL:call letter EZL:easy listening EE:English
 FF:French GOS:gospel IRN:Interstate Radio Net LSR:local sunrise LSS:local sunset
 NBA:National Basketball Assn NHL:National Hockey League NPR:National Public Radio
 OC:open carrier POL:political PSRA:pre-sunrise authority PSSA:post-sunset authority
 QRM:man-made interference QRN:natural interference QTH:location REL:religious
 ROK:rock 'n' roll RS:regular schedule \$:stereo SID:singing ID SRS:sunrise skip SS:Spanish
 SSB:Star Spangled Banner SSS:sunset skip TC:time check TT:test tones UC:urban contemporary
 UPI:United Press International


 960 AM

DDXD-East

NEWS AND VIEWS

Welcome to first time reporter Ian Meyers of Forest Hills, New York. Ian mentions that he just purchased an R-8, and would like to purchase a phasing unit from one of the club members, if anyone has an extra sitting around or would be willing to build one for him. Anyone interested send me a note and I will forward it to him.

Mike Hardester checks in with a possible storm related silence, and mentions that he was listening to his various locals during the storm, as well as his scanner, and was disappointed in the lack of local news, including by the disaster nets on the scanner, which were silent!

Bruce Conti also sends along some storm related items, and says he got 2 feet of snow from the blizzard on top of the two feet or so already on the ground. He indicates he may have had enough snow for the year now.

Another blizzard related item - Ed Urzi says he is now the not-so-proud owner of an "Instant Sloper" courtesy of the storm. Wonder if that has helped him with loggings?

Bob Gilfert says he purchased an Ameco TPA and a MWL-900-PA from Alan Merriman and DXing will never be the same. He heard seven previously unheard semi-locals in less than hour, thanks to the new equipment. He also says he got five veries in the mail last week.

On the new receiver front, Jim Bagge has purchased an R5000, and Leslie Wood has obtained a GE Superadio from *LaBelle Camera/Audio/Video*.

Joe Kureth sent along his Delaware logs; he has heard everything in the state! Well there is a new FM he hasn't heard yet... Joe says he is still (as of 3/26) walking up and down his driveway as a result of the storm on the 13th.

The next deadlines for DDXD-East are May 15, June 12 and July 10. Don't worry too much about when you send the information, that's one of the joys of word processors!

SPECIAL

980 WILK PA Wilkes-Barre - 3/13 1859 - Weak under WTRY with "...WILK 980 AM Wilkes-Barre and WGBI 910 Scranton". Then a winter storm report. (EU-NY) (Are these two simulcasting now? - db)

1270 WSPR MA Springfield - Still silent but newspaper says it's being purchased by owner of WRCP-Providence, RI and will have ethnic format and be on the air soon. (JB-MA)

1520 WWKB NY Buffalo - Looks like this puppy is back on AN with Spanish programs!! Yeech!! (DS-DE) (Promo ID heard as I'm typing this was "Howard Stern in the morning, talk all day, sports in the night", guess those listening at this time wouldn't be interested in the spanish! - db)

1540 WREJ VA Richmond - 3/15 1810 - Call change, was WRBN, ID as "Rejoice Radio", gospel music, fair. (ES-NJ)



THE BLIZZARD OF '93

VA Harrisonburg - 3/12-3/14 - Total dominance of the frequency with storm updates and snow closures. (BG-DC)

PA Harrisburg - 3/13 1525 - Very weak - suspect on low power. (DS-DE)

PA Shiremanstown - 3/13 1200 - Noted off. (DS-DE)

PA Chester - 3/13 1400 - Noted off. (DS-DE)

NH Nashua - 3/13 2140 - Noted on past their usual 2100 sign off with classic rock music and blizzard updates. (BC-NH)

NJ Trenton - 3/13 1430+ - On/off 10 minutes at a time. (DS-DE)

MA Boston - 3/13 2147 - Noted with open carrier, studios must have been knocked out by the blizzard. (BC-NH)

CT Sharon - 3/13 2211 - Good on emergency broadcast with list of cancellations due to blizzard, over KDKA and Venezuela. (BC-NH)

CT Sharon - 3/14 0000 - Fair/good over/under KDKA with MOR/Standards, storm info and WKZE-FM IDs. (DS-DE)

NH Salem - 3/13 2317 - Emergency broadcast with phone callers on the air and merengue music, all in Spanish. (BC-NH)

RI Hope Valley - 3/13 2332 - Fair on emergency broadcast with CW music and radar weather updates, over WHAM. (BC-NH)

PA Hughesville - 3/13 2023-2045 - Noted with FM simulcast of WHTO-103.9(WHOT IDs) - fair with no WOWO. (DS-DE)

PA Hughesville - 3/13 2343 - Fair on emergency broadcast, WMRE/WHOT IDs, simulcasting 103 FM, over/under WOWO. (BC-NH)

NJ Camden - 3/13 1520 - Off. (DS-DE)

NH Derry - 3/14 0013 - On emergency broadcast at full power, past usual 2100 sign off, with Christian music and weather updates. (BC-NH)

VA Onancock - 3/13 1845 - Strong with storm info, flooding, FM simulcast. (DS-DE)

NJ Washington Township - 3/13 1000 - Off by this time, off all day 3/14. (DS-DE)

DE Dover - 3/13 1300+ - Low power. (DS-DE) (You want to know how close I am to them...they sounded normal here - db)

NJ Millville - 3/13 1458 - Noted off, all WNPV. (DS-DE)

DE Wilmington - 3/13 1200 - Reduced power until 2300. (DS-DE)

VA Tazewell - 3/13 2010 - Giving total snowfall in area, ID, fair. (DS-DE)

NC Franklin - 3/15 0113 - Atop with storm info, ID. CW music. Also 3/16 0005 with closings. (DS-DE)

MA Greenfield - 3/13 1830 - Good with storm info, ID, "AM Only" satellite feed. (DS-DE)

NY Patchogue - 3/13 1840 - Strong with storm info, ID, standards. (DS-DE)

NC Camp Lejeune - Noted off AM/PM of 3/14. Uncertain if storm related or other reason. Noted off 3/15 as well. Still off 3/22. Called several times, but no answer. 3/19 phone was finally answered by a woman who was there "cleaning the church for services". She knew nothing about the station (if it was on or off the air) and advised that there was no one else there to ask. The church/studios are in the same building. I've driven by the transmitter site and the antenna is still there, so who knows? (MH-NC)

PA Chester - 3/13 1700 - Noted off. (DS-DE)

DX TESTS

VT Waterbury - 2/22 0405 - Morse code ID, fair-good under WGR. (WPT-DC)

NJ Mount Holly - 3/1 0002-0014 - Easiest catch yet on DX tests (like catching fish in a barrel, hi). CE gave brief history of station, CID. In like a ton of bricks at times. (WPT-DC)

PA Chester - 3/8 0300-0331 - Fair to good with VIDs, CIDs and "European Police" type TTs. Mostly clobbered by local WGSM after 0315. (EU-NY)

RI Providence - 3/29 0007-0015 - No sign of this during this time, only WTAR and CIGM. (DB-DE)

RI Providence - 3/29 0000-0006 - With jazz music, ID and mention of IRCA, followed by code message. On top of channel at 0000, faded 0004, disappeared 0007. (AR-ON) (Which would explain my not hearing it from 0007+, I knew I should have gotten out of bed sooner - db)

OH Cortland - 3/1 0100 - Zzzz'ed through it. (WPT-DC)



1590 WCZN

550 WDEV

640 WWJZ

740 WVCH

790 WLKW

WLKW

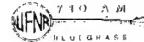
830 WKTZ

940	WECO	TN Wartburg - 3/27 0018-0030 - Fair with TTs, "TEST DE WHCO" CID and bluegrass music. (EU-NY)
960	KGWA	OK Enid - 3/1 0315-0345 - This bird didn't show here. (WPT-DC)
1150	KWKY	IA Des Moines - 3/15 0100-0130 - A no show; only WMET. (WPT-DC)
1180	KKAR	NE Bellevue - 3/15 0100-0130 - Too much WHAM with a little LA thrown in. (WPT-DC)
1190	WOWO	IN Ft. Wayne - 3/4 0006-0100 - Noted on test with "fluttering" TTs and a couple of tunes, including one by ELO. (EU-NY)
1530	KPCR	MO Bowling Green - 3/8 0100-0120 - No show, just WCKY. (WPT-DC)
1530	WVFC	PA McConnellsburg - 3/22 0040 - Heard using tone signal, station ID, and then announcement that "test is concluded will return at 6:30 AM tomorrow". (LGW-NY)

UNID AND UNID HELP

690	CBKF1?	SK Gravelbourg - 2/28 1827 - French over/under CBF, completely gone at 1830. Canada mentioned several times. Any other ideas? (JEK-MD)(A great catch if it is - db)
900	UNID	3/1 1945-1955 - Hockey game between Montreal and Boston. ID at 1950 as "You're listening to the CJAD Montreal Canadiens Hockey Network". Fair under CHML. (JB-MA)(CKTS-PQ relays CJAD - db)
900	UNID	3/27 2225 - Sports talk call in show over/under CHML which had Toronto hockey. Faded by 2230. Second time this year I've heard this, once in the AM. Any ideas? (DB-DE)
1110	UNID	Way under WBT with CNN news and many IDs as "1110 CNN" and "Newsradio 1110". Nothing in log seems to fit. (IM-NY) (Depending on the time, since it is shown as a daytimer, how about WWRX, East Providence, RI? - db)
1280	UNID	3/1 1859 - Good for a while with music by Paul McCartney, but faded at ID time. Was able to pick out "This is 98.2 FM <fade> ...WETF...Easy 98". (EU-NY) (How 'bout WECY, Seaford DE. They simulcast with WECY FM 98.3 with soft AC type music - db)
1350	UNID	3/23 2304 - Someone weak with oldies, same as WHBG's (Jones Satellite Service). (DS-DE)
1460	WPRWt	VA Manassas - 3/22 1930 - In and out with 3 others with CW selections. Initially thought WGNA but pretty clear ID popped out at 1938. (IM-NY) (A phone call to my brother in Reston, VA on 4/4 confirms that WPRW is still silent. They are supposed to come back with children's format as WKDZ - db)
1530	UNID	3/12 2220-2400+ - Loop of 21 oldies (<i>Baby Don't Let Your Dog Bite Me, Bye Bye Love, La Bomba,...</i>) repeated every 53 minutes with no IDs, announcements, or commercials, over WCKY. (BC-NH)
1530	UNID	3/13 0013 - Continuous oldies under WCKY. Played in groups like Motown, Beach Boys, etc. No talk in between and no break at 0030. (JB-MA)
1530	UNID	3/13 0230 - Someone here with Oldies, no IDs, good in WCKY null, suspect WJDM who has been testing a lot lately. (DS-DE)(Due to the fire that Bob Harrison has kept us informed of, no doubt. Perhaps Bruce and Jim's UNIDs also - db)
1550	UNID	3/24 1820-27 - News "NewsTalk 16" slogans. During newscast sports guy noticed anchor woman was wearing an engagement ring for the first time. (BG-DC)
1580	UNID	3/15 0700-0745 - In WWOF absence noted usual WPGC and UNID occasionally fading up over WPGC. ID sounded like WPOP/WBOB. After ID, heard mention of "currently 26 degrees..." Format sounded CW, but WPGC was just too strong. (MH-NC)

0000 to 0800 ELT



530	CIAO	ON Brampton - 3/29 0300 - English announcer with rock into Italian program at 0300. (ES-NJ)
670	WWFE	FL Miami - 3/22 0515 - Spanish news, weather, "Radio Fe", good. (ES-NJ)
690	WJOX	AL Birmingham - 3/14 0545 - With sports talk, calls taken, weak, list 500 watts. (ES-NJ)
740	WIAC	PR San Juan - 3/26 0430 - "WIAC San Juan," "Muy buenas dias," good. (ES-NJ)
790	CIGM	ON Sudbury - 3/21 0218-0237 - Fair with <i>Country Coast-to-Coast</i> . (BG-DC)
910	CKLY	ON Lindsay - 3/22 0006-0018 - Fair with new wave/progressive sounding stuff. Call letter ID at 0018. (BG-DC)
1050	CHUM	ON Toronto - 3/20 0103 - In under WEVD with "CHUM" ID, and British rock sounds. (LGW-NY)

1060	WBIV	MA Natick - 3/29 0200 - With KYW off. Very weak. I'm probably in a major null to protect KYW. "AM 1060 WBIV, Boston's new station for today's best Christian music. (ES-NJ)
1270	WCBC	MD Cumberland - 3/18 0345 - Jim Bohannon Show, "AM 1270 WCBC", fair. (ES-NJ)
1290	WNBF	NY Binghamton - 3/14 0100 - Call letter ID and into UNID news; gone before 0101. (BG-DC)
	WHIO	OH Dayton - 3/22 0200 - ID into AP news, atop with WJBR off. (DS-DE)
	CJBK	ON London - 3/22 0205 - Suspect they with <i>Oldies Coast to Coast</i> , good (as usual) over WHIO. (DS-DE)
1300	WJFK	MD Baltimore - 3/20 0300 - Relaying WJFK-FM 106.7 with 30 minute music sets. ID as "WJFK-FM Washington, DC, AM 1300 WJFK Baltimore", fair. (ES-NJ)
1310	WSSJ	NJ Camden - 3/14 0008 - Fair with jingle IDs and pop music. (BC-NH)
1370	WXXI	NY Rochester - 3/20 0315 - <i>Blues Spectrum</i> program, old Mississippi Delta blues songs, good. (ES-NJ)
1390	WLAN	PA Lancaster - 3/20 0759 - Poor under WMZQ with ID only. Had been after this for a couple of days as I could hear something, and all the other York/Lancaster area stations were in louder than normal. (DB-DE)
1420	WLNA	NY Peekskill - 3/14 0025 - Good with "AM 1420...your star station" IDs and the <i>Dangerous Disco Hour</i> on the <i>Saturday Night Oldies Show</i> . (BC-NH)
	WLNA	NY Peekskill - 3/14 0056 - NOS music, then promo for "The Saturday Night Oldies Show on WLNA". At 0100 ID as "This is 1420 AM WLNA Peekskill", then into AC music. New here. (JB-MA)
	WKCW	VA Warrenton - 3/24 0601 - End of the SSB then "This is WKCW 1420 Warrenton, we love our country". Then brief weather forecast and into CW music. At 0610 mentioned "The big 1420". In quite strong at 0615. New here. (JB-MA)
1520	KOMA	OK Oklahoma City - 3/1 0300 - Tuned down from 1530 trying for a CPC test, WWKB off and heard KOMA for the first time in many a year. Oldies format with ID on the hour. (JEK-MD)
1550	WMDH	IN New Castle - 3/22 0200 - Heard with talk show. Nice signal, first time heard here. What's their watt power? (LGW-NY) (AM Log shows them using 250 watts - db)
	WMDH	IN New Castle - 3/22 0405 - NBC news, local ads for radio bingo, ID as "Radio 1550, WMDH-AM New Castle", excellent at times, 250 watts. (ES-NJ)
1560	WPAD	KY Paducah - 3/22 0400 - Standards from the 40's and 50's, ID as "You're listening to the original hits from the 40's, 50's and 60's on WPAD". (ES-NJ)
1580	WZKY	NC Albemarle - 3/22 0155 - Way atop with ID, promo for news, "24 hour weather phone" (982-0111), 10 watts?? (DS-DE)
1590	WHPY	NC Clayton - 3/13 0600 - Sign on with prayer and <i>Gospel Caravan</i> program in muck. (ES-NJ)
	WFTH	VA Richmond - 3/13 0603 - Sign on mixing with about a dozen stations. "WFTH Richmond, serving Petersburg and the Tri-State area." (ES-NJ) (I wonder what Tri-State area they would be referring to? - db)
1600	WKEN	DE Dover - 3/3 0556 - Mentioned "Oldies 1600 WKEN". Also on 3/4 mentioned "Your station for rock and roll oldies, WKEN". Never did hear any music though. New here. (JB-MA)
	WBBD	WV Wheeling - 3/22 0010 - This 33 watt monster way atop with ID, "AM Only" standards format. (DS-DE)

0800 to 1600 ELT

1160	WMVI	NY Mechanicsville - 2/13 1550 - In very well this early with big band music. (TF-CT)
1550	WLWX	CT Bloomfield - 3/11 1525 - Religious programming, ID as "Christian 1550 WLWX". (ES-NJ)

1600 TO 2400 ELT

550	WICE	RI Pawtucket - 3/12 2344-2400 - Fair with basketball on University of Kentucky network, including ads for <i>Kentucky Ford Dealers</i> and other Ohio Valley businesses, mention of WBLK, ID on the hour "WICE 550 AM stereo, Pawtucket-Providence" followed by CBS news and <i>Sports Final</i> . And I thought I had Cincinnati, #@\$#&!! (BC-NH)
	KTAR 620 AM K-Lite 98.7 FM	

730 WFMC NC Goldsboro - 3/23 1805 - Many local news/agricultural items for 10 minutes, "73-WFMC," phone number given 734-4211, excellent on peaks. (ES-NJ)
 740 WNNZ FL Orlando - 3/6 2020+ - //104.1 FM Cocoa Beach. IDed as "WNNZ (wins) Sports Network"; Phillips sports talk show, clear and alone. (JEK-MD)
 790 CFAN NB Newcastle - 3/23 1815 - Local events schedule, "CFAN-790" jingle, fair. (ES-NJ)
 800 WLAD CT Danbury - 3/24 1812 - In with baseball contest and ID as "Red Sox network". (LGW-NY)
 CJAD PQ Montreal - 2036 - Above CKLW, WLAD, et al with commercials for local bank, then man with many mentions of Montreal including Montreal police and city government. (IM-NY)
 810 WYRE MD Annapolis - 3/13 1730 - With live program from Boat Show/Marina, poor with WGY interference. 250 watts. (ES-NJ)
 830 CFJR ON Brockville - 3/29 2017 - Not new but unusually clear powerful signal, ID as "Canada's concert connection", promo for concert ticket giveaway. (IM-NY)
 850 WYDEt AL Birmingham - 3/16 1833-1839 - Many slogans as "Y-85", oldies over WNIS. (BG-DC)
 WPTB GA Statesboro - 3/6 2125 - CW/REL music, local ads and ID, GA #87. (JEK-MD)
 WHDH MA Boston - 3/24 2102 - usual dominance here despite handful of others on frequency, with *Marriott* commercial. (LGW-NY)
 WWJC MN Duluth - 3/29 2014 - Sign off for central LSS, "We'll be with you again tomorrow on WWJC" into religious sign off. (IM-NY) (Good catch, Ian! - db)
 WYLF NY Penn Yan - 3/29 2022 - Above jumble briefly at sign off: "Join us tomorrow for another day of great music, news and weather for the Finger Lakes region. This is WYLF." (IM-NY)
 WRMR OH Cleveland - 3/19 2354 - In with much QRM with advertisement for CNN, and "Warm 850" ID. (LGW-NY)
 WNIS VA Norfolk - 3/10 2353 - Heard with talk show and commercial for *Don Don's Chevrolet*. First time heard here. (LGW-NY)
 960 WPMR PA Mount Pocono - Rock music, "Station that was born to rock". IDs for "107.9, WPMR, Mount Pocono", commercial for *American Cookery* restaurant, took requests from Tobyhanna, in here well. (TF-CT)
 1000 WLNL NY Horseheads - 3/8 1810 - Religious program to 18:17:30 sign off announcement. ID as "WLNL, The Lighthouse" (ES-NJ)
 WIOO PA Carlisle - 3/17 1830 - "100 WIOO", "AM 100, WIOO", *Mike Hanner Show*, "Today's hits and yesterday's favorites", good. (ES-NJ)
 CKBW NS Bridgewater - 3/13 2204 - Fair with "South Shore Radio" ID, under/over WLUP. (BC-NH)
 1040 WYFX FL Boynton Beach - 3/13 2225-2300 - Fair with reggae music, ads for *Fidelity Federal African American Heritage* savings plan and *Consumer Credit Consultants*, 2300 ID "WYFX Boynton Beach - West Palm Beach - Miami", clobbered by WBZ splash. (BC-NH)
 KKPR 1980
Original Mix FL Boynton Beach - 3/20 1851 - With nice signal and ID as "Greatest hits of all time on Solid Gold Saturday". "Foxy radio WYFX 1040." (LGW-NY)
 1070 WAPI AL Birmingham - 3/16 1840-1900 - Excellent! With call in sports show, several call letter IDs. (BG-DC)
 WKOK PA Sunbury - 3/17 1815-1819 - Good, mixing with several others. St. Patrick's Day stuff and snow closures. (BG-DC)
 1110 WNAP PA Norristown - 3/19 1828 - Sign off with "God bless you and have a good evening" and power off. (ES-NJ)
 1120 WBIS CT Bristol - 3/8 1755 - Ads to 17:59:45 pattern change. (ES-NJ)
 WGGH IL Marion - 3/1 2006 - Ending newscast, "Carrying the good news into 5 states...WGGH". Interesting note, only heard this one once before 8 years earlier on the same date. (JEK-MD)
 WADN MA Concord - 2/27 1750 - Way atop with folk music, female announcer, IDs for "Walden 1120", commercials for *Concord Colonial Inn*, time check for 2300 Greenwich Mean Time at 1800, BBC World Service news, gone by 1803, never heard here before. (TF-CT)
 WMSW PR Hatillo - 3/16 1800 - "La Gran W", right up the old grayline with excellent signal, "WMSW Hatillo-Arecibo", spanish ballads. (ES-NJ) (Great! - db)
 1150 WMEX MA Boston - 2/13 1632 - Over/under semi-local WCNX, IDs for "Magic 106.7", commercials for WBZ-TV-4 and other Boston businesses, cordial verie back in a week. (TF-CT)

WHUN PA Huntingdon - 2/27 1735 - Randy Travis record, "Put AM 1150 on your car radio button so we will always be there - on AM 1150, WHUN", into more country music, way over night semi-regular WDEL. (TF-CT)
 1160 WJJD IL Chicago - 3/3 2318 - In and out with 1940's style female vocal, quickie "AM 1160 WJJD" ID, back into an instrumental. Didn't listen too closely at first, thought I had WOBM which runs a similar format. (EU-NY)
 WYNS PA Lehighton - 3/18 1805 - Briefly over mess with call letter ID and into cover of Elvis tune *All Shook Up*. (BG-DC)
 WYNS PA Lehighton - 3/24 2004 - End of newscast with Bob Hart, weather forecast, and "Wins" ID. (LGW-NY)
 1170 WHXT MA Orleans - 2/14 1728-1747 - Never heard here before, in like a local, IDing as "Oldies 104", and "All oldies all of the time", commercial for car dealer in Plymouth, oldies of course, called station at 1745 to get correct AM call, announcer who answered phone said "Oh Oh!" and signal abruptly vanished! (TF-CT)
 KSUB MA Orleans - 3/13 1814-1820 - Fair, excellent on peaks with OLD and "This is Cape Cod's very own..104". Lost at 1820 power cut. (EU-NY)
 RADIO WHXT DC Washington - 2/24 2010 - In briefly with mention of program *Cheers*. (LGW-NY)
 1260 WWDC MA Boston - In with ID as "Something positive for a change, WEZE 1260". (LGW-NY)
 WEZE MA Boston - 3/21 1858 - Noted with syndicated religious program (Billy Graham?) then legal ID through deep fades. (IM-NY)
 1270 WTSN NH Dover - 2/13 1605-1620 - In atop with financial talk show, unusual here so early. (TF-CT)
 WTJZ VA Newport News - 3/17 2100-2147 - Black gospel songs and music until 2118. Then male announcer with several "AM 1270 WTJZ" IDs, then 5 or 6 commercials. Female announcer with "Back to more great gospel music on AM 1270 WTJZ" at 2125. Very strong at times. New here. (JB-MA)
 CJTN ON Trenton - 3/12 2215 - Sort of a mess here but got a couple of clear CJTN promo IDs, one by a man and the other by a woman. Then into songs at 2220. New here. (JB-MA)
 1290 WJBR DE Wilmington - 2/13 1702 - In loud with rock music, ID for "Mix 99.5". 2/21 heard with rock music, promo for "Operation Snowflake". (TF-CT)
 WRCP RI Providence - 3/8 2045-2105 - Ethnic music, legal ID in English at 2100, "WRCP, Radio Club Portuguese" per NRC logbook. (JEK-MD)
 1320 WQIK FL Jacksonville - 3/11 1828 - In and out with Channel 4 news, *Channel 4 Newsbreaker Hotline* (346-4444) promo then "Eyewitness news from the one and only W(VS?)T... on AM 1320, WQIK". (EU-NY)
 1340 WALL NY Middletown - 2/15 1711 - In for a moment in WNHC null, with ID for "AM 1340, WALL", gone. (TF-CT)
 1350 WHWH NJ Princeton - 3/7 1754 - In WNLK null, PSA's and *Moneytalk* call in show. (TF-CT)
 1360 WIXZ PA McKeesport - 2/20 1729 High school basketball, interview with Pittsburgh Post Gazette columnist, weak signal. (TF-CT)
 WHBG VA Bridgewater - 3/23 2200 - Nicely atop with oldie, ID "stereo AM" into Unistar news, no WDRC. Don't sound like 25 watts! (DS-DE)
 1380 WCQL NH Portsmouth - 3/16 2000 - Various commercials and "WCQL Portsmouth" ID over/under UNID *Boston Celtics Radio Network* station. New here. (JB-MA)
 WNRI RI Woonsocket - 2/15 1640 Telephone talk, commercial for a Chinese restaurant, a good bet for those of you who need Rhode Island! (TF-CT)
 WIZO TN Franklin - 3/8 2207 - End of local high school basketball game and wrap up, immediately back to the studio where the announcer signed off the station. (Staff paid by the minute?) (JEK-MD)
 1410 WDOV DE Dover - 2/15 1729 - Talk, ID for "WDOV, Newsradio 1410, we are WDOV, Dover, Delaware", into news, over WPOP. (TF-CT)
 WLSH PA Lansford - 3/7 1758 - Cat Stevens' *Moonshadow*, "The tradition continues on AM 1410, WLSH, Lansford", followed by USA news. (TF-CT)
 1420 WLNA NY Peekskill - 3/22 1825 - Broke through loudly with "Tune in right here to 1420 WLNA for all your local news and weather" into contemporary EZL.(EU-NY)
 WMYN NC Mayodan - 3/22 1820 - In weakly with "1420 WMYN, brought to you by Vaughn's(?) Cars Limited...". (EU-NY)
 1440 WAJR WV Morgantown - 3/17 1900 - "Mountaineer Basketball Network", fair, "Full service WAJR Morgantown". (ES-NJ)

WZYX TN Cowan - 3/26 1858 - "WZYX 1440 on your dial right here in Cowan, Winchester and Decherd," poor, mucho interferencia. (ES-NJ)
1460 WIFI NJ Florence - 3/13 2240 - Surfaced briefly with calls but nothing else discernible. A close-by former unheard. (EU-NY)
1470 WJDY MD Salisbury - 3/17 1658 - With sign off announcement, fair in the muck. (ES-NJ)
WTTR MD Westminster - 3/16 2045-2100 - Poor to fair playing disco tunes, first time heard. (BG-DC)
WTZE VA Tazewell - 3/26 1815 - Ads into 1829:30 sign off announcement, "Inviting you to join us now on WTZE-FM 100.1 MHz". (ES-NJ)
1510 WSSH MA Boston - 3/24 1830 - Weather and "Radio Continental" slogan. (ES-NJ)
1530 WRTP NC Chapel Hill - 3/10 1830 - Weak with sign off. Could only pull "WRTP Chapel Hill...completing another broadcast day". (EU-NY)
WBCW PA Jeanette - 3/10 1818 - Weak under WCKY with sign off giving address as in log, no SSB. PA #50. (EU-NY)
1550 WTTC PA Towanda - 3/10 1813-1815 - Weak with jock Eric McComb, Penn State basketball promo and sign off with address as in log, and mention of FM-95.3. (EU-NY)
WTTC PA Towanda - 3/13 1815 - With ads to 18:20:15 sign off announcement. 500 watts. My 41st reception on 1550 from 21 states and 3 countries. (ES-NJ)
WBSC SC Bennettsville - 3/20 1919 - In with booming signal and program *Gospel Soul Time* amidst usual crowded frequency. (LGW-NY)
WKBA VA Vinton - 3/24 1832 - Loud but quick with possible sign off statement "...thousand watt clear channel WKBA. Southwest Virginia's gospel powerhouse". Then into short REL song and gone. QRM from WARD/CBE. (BG-DC)
1590 WALG GA Albany - 3/21 1728 - Up briefly over host of others with ID into CW music. fair. (IM-NY)
WWCC PA Honesdale - 2/15 1658 - Country music, "1590 WWCC Honesdale" into USA Radio news, good signal. (TF-CT)

OTHER STUFF

1620 RFM NY - 3/14 0042 - This station ID was "RFM" and they gave a New York P.O. Box and town (which I didn't get) with zip code 14???. Music was also played. (JB-MA)

REPORTERS

JB-MA Jim Bagge, Springfield, MA: R5000, longwire, Delco Car radio
BC-NH Bruce Conti, Nashua, NH: R70, DX400, MWDX-5, (2) 60-foot wires
TF-CT Tony Fitzherbert, Fairfield, CT: Superadio, ICFS5W, both perched atop the Lazy Susan for instant nulling
BG-DC Bob Gilfert, Washington, DC: DX-440 with MWL-900P, Pioneer VSX-5400, Hyundai H-510 Car radio (My daughter loved the Elvis stamp! - db)
MH-NC Mike Hardester, Jacksonville, NC: Sonoma Truck Radio with fender antenna
IM-NY Ian Meyers, Forest Hills, NY: R-8, FRG-8880, Quantum Loop, 50' LW
AR-ON Andy Rugg, Cornwall, ON: Superadio II
DS-DE Dave Schmidt, Wilmington, DE: Superadio II, HQ180A, SM2, (2)R390A's with short LW
ES-NJ Elliot Straus, Toms River, NJ: R-390A, Quantum Loop, LW's, MFJ-959B
WPT-DC Bill Townsend, Washington, DC: Sony ICF-2010
EU-NY Ed Urzi, Centereach, NY: R-5000, LW
LGW-NY Leslie Wood, North Merrick, New York: GE Superadio II
DB-DE Dave Braun, Wyoming, DE: R-2000, Palomar Loop



DDXD-South

BITS AND PIECES

Sorry for the lack of column in the past couple of weeks - I had a switch in jobs, a busy couple of weeks at school, and our two-week Student Senate elections. I decided to try something no student media group at USC had ever tried before - predicting winners through exit polling. We must have done a good job - we picked all 16 of the winners.

We have loggings from several new reporters this time; welcome to RON BAILEY in North Carolina (Thx for the QSL card), JEFFERSON LEWIS in Kansas City, BOB GILFERT in Washington, DC WALT BREVILLE from St. Louis, and BRENT ALLEN up in Merced, CA. Welcome to you all.

Remember, WAYNE HEINEN wants your help to make the 1994 NRC AM Log the most accurate ever! Send information about any station changes to him at: 4131 S. Andes Way, Aurora, CO 80013, or call prepaid to (303) 699-6335.

There has been some recent confusion regarding my address - the 2618 S. Ellendale #3, LA 90007 which appears above is correct. It appeared once in the column header in January, was changed back to the old address for three issues, and then was changed again to the current address. Sorry about this!

My e-mail account wasn't shut down as I expected; you can send loggings to: dshaw@scf.usc.edu. Phone tips welcome 1700-2130 ELT at (213) 740-1487. Deadlines for the summer: May 15, June 12, July 10, August 7, and September 4. On to LOTS of DX...

SPECIAL!!!

1020 KASR OK **PERRY** - 3/23 noted w/C&W music, "Star Country" slogan and "AM 10-20 KASP" IDs. SILENT STATION BACK ON THE AIR, ex-KRAD (BW-OK)
1300 WNQM TN **NASHVILLE** - 4/4 OFF THE AIR DUE TO FIRE. Fire also destroyed co-located WWCR shortwave. News report quotes management as expecting AM back on later in the week, though SW may be off several months. Nothing regular on open 1300 except touch lamps and WSM's 2nd harmonic, but WCBL-1290 and WDOD-1310 now day regulars. (DS-TN)
1320 KSIV MO **CLAYTON** - Sked is NSP, per station (EB-MO)
1340 (KDEN) CO **DENVER** - Local stn silent for over a week, first noted 3/22. Tried calling stn, but got recorded msg that "number has been temporarily disconnected". No idea what the problem is, but hope it's permanent! (OW-CO)
1360 KHNC CO **JOHNSTOWN** - 2/14 hr testing w/ instrumental music 1815-1830 sign-off. Started reg sked on 2/15 with all talk format. Uses USA news and Sun Talk. Slogan "On the right side of your dial" referring to very right wing talk format. (WH-CO-1)
1470 KITO OK **VINITA** - 3/23 ex-KVIN noted w/C&W music (BW-OK)
1510 KJLA MO **INDEPENDENCE** - 4/1 Back on the air today after testing for a number of days. Station is now NOS off statellite, D-2 with lobes NNE and SSW; fairly broad and SNN for news. Previous operators on 1510 were REL and UC, and duped an FM for a while. (JL-MO)

THE BIG STORM BROADCASTS

720 WGCR NC **PISGAH FOREST** - 3/13 2016 good-xlnt, with storm shelter locations in Transylvania Co. and other area locations. (DS-TN)
850 WRUF FL **GAINESVILLE** - 3/13 2027 good w/Talknet, Gainesville-area safety info & informational ad for insurance company w/local info. (DS-TN)
1480 WAJA NC **FRANKLIN** - 3/13 1956 fair to good w/brief legal ID in storm info. (DS-TN)

DX & EQUIPMENT TESTS

550 WDEV VT **WATERBURY** - 2/22 0400-0500 tried but not heard, needed for new state. Wiped out by WKRC ("WLW"), KUSA, KTSA, and unID SS. (TB-TN)
600 WMT IA **CEDAR RAPIDS** - 1/31 0100-0200 Not heard (DT-JA)
640 WWJZ NJ **MT. HOLLY** - 0000-0010 Code ID's hrds 0 0011, call repeated several times plus QTH, nothing else noted first half hour. Very heavy WSM sloop (couldn't have you just shut WSM off, hi? -disj) + WCRV + Cubano con mas potencia! Needed for state #36. (TB-TN)

 +Fair on peaks w/ code and voice IDs, and organ music. (SF-TN)
 +Not heard, just WWLS with SEN Sports talk, WOI with BBC World Service, and KFI with The Best of Rush Limbaugh (EB-MO)
740 WVCH PA **CHESTER** - 3/8 Thought this was going to be a no-show; vigilant search 0230 to 0245, then temporarily gave up. Tried again @ 0325 and heard continuous code ID's "WVCH ON 740 KHZ WVCH". No voice ID's or music heard but there was an odd flip-flop dual tone that sounded like a European police siren. Almost inaudible under KRMG, CBL apparently on with open carrier. (TB-TN)
790 WLKW RI **PROVIDENCE** - 3/29 0004-0006 copied only Morse code portion of test for 2 or 3 minutes through WTAR, WMRZ, and WMC interference. "TEST (3 times) DE WLKW (5 times)" at about 8 words per minute. (RB-NC)
830 KBOA MO **KENNEDY** - 2/22 0100-0200 Xlnt signal during entire test. Voice & code ID's and march music all clearly audible. Generally over WCCO. Some mix of groundwave and skywave



107.0 AM • 103 FM

produced phasing distortion. Not needed as KBOA is a sunset regular and can generally be heard daytime via groundwave. (TB-TN)

WTKX OH **CORTLAND** - 0057-0130 Heard amazingly well in WCCO null! Pre test voice ID's and tone osc sweep @ 0057. Test started at 0100 with voice ID and anncnt "This is an equipment test transmission" then code IDs sent at four different tones then march music and lots more voice & code IDs. New - total now 531. (TB-TN)

+Fair to good under WCCO w/ march music, code IDs, and voice IDs by Jerry Starr. (SF-TN)

960 KGWA OK **ENID** - 0300-0400 Tried, not heard. NRC night pattern book put me at extreme edge of pattern, but I thought at least the code IDs would make it... not so. Wonder if this was a bust? (TB-TN)

990 WERK IN **MUNCIE** - 3/13 0400. DX test tried, not hr. Local KRKS about 90% nulled, but still no luck. (OW-CO)

+Not heard. (SF-TN)

1070 WANM FL **TALLAHASSEE** - 2/6 0000-0040 good over/under WIBC with voice and code IDs. (SF-TN)

1090 KTNS CA **OAKHURST** - 3/9 0300-0400 Not heard, XEPRS much too dominant here even though KTNS xmitter is just 44 air miles from me. A daytime regular, though. Sorry Larry, I gave it a good shot. Phone number in log is recorded info, correct number is (209) 863-5488. Also see KBOZ in 16-24 below. (BWA-CA)

+Tried, not hr, in spite of a pretty good null on local KYBG (how come DX tests are always scheduled on freqs where I have locals, hi?!) (OW-CO)

+Tried, not heard. Was I really dumb enough to stay up for this one? After all, a 500 watt... 1500 miles away... under powerhouse KAAY? Well, stranger things have happened, but not this time. Heck, even KNX wasn't readable! (TB-TN)

WMUS MI **MUSKEGON** - 2/5 0400-0430 rough under KAAY with C&W and code IDs between each tune. (SF-TN)

1110 WNNW NH **SALEM** - 2/15 0300 Not heard; KRLA stayed on. (MS-CA)

1180 KOFI MT **KALISPELL** - 2/1 0400-0500 Tried but not heard, needed for new state. JD Stephens said he called KOFI during test and learned that they were NOT omni-directional (TB-TN)

1280 KVOX MN **MOOREHEAD** - 2/13 0300-0310 not heard. (SF-TN)

1310 KAAM TX **DALLAS** - 2/8 0245 Test logged with piercing code ID's noted at 0245, 0256, 0257, etc. Code seemed to vary in pitch. New for me. (Never heard as WRR) (MS-CA)

+Dominant on day rig during reg sked with NOS. (SF-TN)

1480 KLEE IA **OTTUMWA** - 2/7 0100-0200 Very faint code heard from 0105 until 0135 under two unIDs. (DT-JA)

+Only one Voice ID made it, but code IDs and TT easily heard o/u WABB. IA #30. (SF-TN)

1530 KPCR MO **BOWLING GREEN** - 3/8 0100-0300 Between every C&W tune; code ID, voice ID, code ID. Should have been easy but looped directly at WCKY from here. (RS-MO)

+Code ID heard at 0101 followed by voice anncnt regarding test, TC @ 0102 then song "Davey Crockett" (haven't heard that one in ages!) Later, Scott Joplin piano ditties and several code and voice IDs at 0200. Poor to fair in WCKY null (well, sort of a null... WCKY is almost impossible to get rid of!) (TB-TN)

1540 WSMI IL **LITCHFIELD** - 0100-0110 Only Code ID's heard, poor under KXEL and CHIN. (TB-TN)

+Morse code at 0100 and tone every few minutes, no voice heard, heavy interference from ZNS-1, Nassau. (DT-JA)

1590 WWCC PA **HONESDALE** - 2/13 0015-0030 nonstop code IDs, poor-fair in pileup; nothing heard earlier. (SF-TN)

unID'S AND unID HELP

600 WCAO MD **MARYLAND** - 1/31 0100-0200 This is (MH-NC)'s unID under WMT DX test in v60n18 (2/22/93) that ID's as "Heaven's station". (BG-DC)

1010 unID 2/17 0532-0554 Ranchero type music, no anncr, could this be KLAT? (See 1010 KBIS in 00-08) (DT-JA)

T18 AND THE LIKE

530 TIS NC Dept. of Motor Vehicles with 24 hour per day brief description of NC driving regulations. Located near rest area on Route 85 an NC-SC state line. (Do these things have call signs? I didn't listen on the hour). (RB-NC) (Yes,

most of these do have call signs. This one is not listed in the NRC log. -djs)

WEXY CA **ALTAMONT PASS** - 3/12 1503-1426 CA Dept. of Transportation. Info on wind power generation from windmills atop pass. Additional message from Gov. Pete Wilson "Welcome to Altamont Pass..." 84 air miles from here. Weak but steady, heard again 3/16. (BWA-CA)

WVNE 760 AM
70 JAMES STREET, SUITE 140
WORCESTER, MA 01603

0000 - 0800 ELT

550 WAYR FL **ORANGE PARK** - 2/19 0125 fair to poor with KTSW while KUSA was off for maintenance with instrumental REL music, call letters at 0130. (EB-MO)

560 KLZ CO **DENVER** - 3/19 0017 in jumble w/YL talk, "56-KLZ" ID, mixing w/KWTO (BW-OK)

570 WWNC NC **ASHEVILLE** - 3/21 0017 Call ID popped up after C&W music, then faded and gone (BW-OK)

590 WOW NE **OMAHA** - 2/27 0145 good with fair \$ with Radio Reloj while tearing up local KEZK with Solid Gold Country, AM/FM IDs, "This is WOW-AM and -FM Omaha" legal ID at 0200 into ABD-I news (EB-MO)

640 KFI CA **LOS ANGELES** - 2/26 0200 fair over WWLS with local KXOK-630 splash with legal ID and local news (EB-MO)

710 WOR NY **NEW YORK** - 2/28 0227 good o/u WHB with NOS, mention of "Joe Franklin's Memory Lane", "WOR New York" legal ID at 0235, ad for Retirement Resources, trivia questions (EB-MO)

720 KDWN NV **LAS VEGAS** - 2/28 0305 poor with Jamaica/CHTN with WGN off with tail end of AP news into what sounded like a casino remote (EB-MO)

CHTN PEI **CHARLOTTETOWN** - 2/28 0310 weak with KDWN/Jamaica with WGN off with "Oldies Coast-to-Coast on 720 CHTN" ID, into "Beginnings" by Chicago (EB-MO)

730 WPAL SC **CHARLESTON** - 2/14 0442-0445 UC, ad for Charleston Blues Festival, poor under XEX and unID, gone at 0445 during rap number. (DT-JA)

740 WMBL NC **MOOREHEAD CITY** - 3/25 0313 "From Moorehead City we're WMBL" dominating on east beverage from Shelby. New from here, but logged in NJ in 1954! (RB-NC)

KTRH TX **HOUSTON** - 3/25 0400 Equal to KRMG but used passband tuning and notch filter to copy several IDs and "News Radio 740, KTRH". Then female voice with (I believe) a traffic report at 3 am?! (RB-NC)

860 WGUL FL **DUNEDIN** - 1/25 0118-0130 promo for pgm of bird songs (!) on "WGUL AM and FM", NOS, Louis Armstrong, fair (DT-JA)

900 KBIF CA **FRESNO** - 2/15 0345 Trading off w/XEW. Sports Entertainment Network ID. Hooked on Phonics spot. (MS-CA)

1010 KBIS AR **LITTLE ROCK** - 2/17 0545-0601 sports talk, Nx at 0559, ID as "Radio Biz", poor under possible KLAT, and unID Cuban. (DT-JA)

1040 WYFX FL **BOYNTON BEACH** - 2/18 0510-0545 soul, GOS, REL, ID as "25,000 watt giant WYFX", good, some interference from unID. (DT-JA)

1130 WWBF FL **BARTOW** - 1/29 0605-0616 Sign on? "America"; woman anncr, faded with daylight. (DT-JA)

1140 KCMJ CA **PALM SPRINGS** - 2/15 0306 Through KLUC w/ID: "Country's greatest hits, 1140 KCMJ". (MS-CA)

1210 KGYN OK **GUYSMON** - 2/18 0203 good to fair with WOGL with OK Network News, into IRN (EB-MO)

1310 KXAM AZ **MESA** - 2/8 0200 ID: "At 1310 this is KXAM Scottsdale-Phoenix". (MS-CA)

KIVA NM **ALBUQUERQUE** - 2/8 0211 New catch for me - formerly KZRQ. ID: "1310 KIVA-AM". Spot for Army National Guard. Music from West Side Story at 0238. (MS-CA)

1320 WJAS PA **PITTSBURG** - 2/13 0213 good to poor over KELO in KSIV null with "We're AM 1320 WJAS" ID into Unistar's AM Only NOS/AC feed //WRTH-1430 (EB-MO)

1330 KFH KS **WICHITA** - 2/13 0153 good to fair \$ over WFBC/KWLO/KVOL with oldies, "The Oldies Station AM 1330 KFH" ID, CBS News at 0200, local wx at 0205 (EB-MO)

1480 WZJY SC **MOUNT PLEASANT** - 2/6 0600-0610 Sign on, News, o/u WABB; poor, fading out by 0605 in jumble of stations. (DT-JA)

1590 KYOK TX **HOUSTON** - 1/22 0341-0420 UC "Live 98.5" ad for rock concert, poor, fade in and out, some interference from unID with talk show. (DT-JA)

WERK
Oldies 105 FM

8510 South State Road 3
Muncie, IN 47302

0800 - 1600 ELT

830 KPLS CA ORANGE - 2/14 1230 Back on the air after brief silence. Now has "Radio Aahs" format, ex SS. Children's songs from movie "Alladin". Phone number: 1-800-552-2470. Dual ID //KCTQ-850 at top of the hour. (MS-CA)

1230 WHOP KY HOPKINSVILLE - 4/5 1024 fair with Kentucky-wide call-in show. Dunno why I haven't tried for this one before, it should be a regular. (DS-TN)

1250 WNVL KY NICHOLASVILLE - 4/5 1030 weak with what sounded like NOS music and a couple of WNVL call IDs. I think a CNN Headline News station was mixing but could have been a spur from local WKDA-1240. (DS-TN)

1600 KWMX CO LAKEWOOD - 3/10 1400 "KWMX FM and AM, the new Mix 107.5". Same format, just a call to match the "Mix" slogan, ex-KRXY. (WH-CO-2)

1600 - 2400 ELT

620 WTRP GA LA GRANGE - 1/29 1805-1818 "On news-talk radio WTRP", sports talk with man using lots of "foul" language, o/u

710 WHB MO KANSAS CITY - 2/26 1730 local-like signal with very good S with "Oldies 71", playing the best of the '50s and '60s on AM 71 WHB into oldies, celebrity talk at 1640, wx, ad for KSHB-TV Fox 41, into traffic report. One of the few AM oldies stations left in Missouri. (EB-MO)

770 WWCN FL NORTH FORT MYERS - 2/14 1846-1900 CNN Headline News, 1900 ID as "770 WWCN", poor, int. unID Cuban (DT-JA)

870 KOWA NV LAUGHLIN - 2/9 2300 Incredible signal right through local KIEV. Several classic C&W tunes. IDs as "The Cow". Spot for Leonard's Automotive at 2321. Ex-KROL for me. (MS-CA)

WWL LA NEW ORLEANS - 3/14 2150-2202 In with the Road Gang. Haven't heard here in 8 years. My favourite DX catch of the 70's (and of the 90's? -ds). Very weak under pest KIEV and occasional battle with KOWA (BWA-CA)

1040 WYFX FL BOYNTON BEACH - 3/13 2048 fair over looped WHO with ad for A Real New York Bargain clothing store at Okeechobee & Military in West Palm; two Sears ads; into Light UC music (DS-TN)

WMTX FL PINELAS PARK - 3/31 1913 fair with Tampa concert anncnt & AC format //FM (DS-TN)

1060 WAMT FL TITUSVILLE - 2/18 2208 OLD, ROK, ad 631-TIME for time and wx, ad for Rec. Center in Titusville, fair o/u unID ss. (DT-JA)

1070 WHYZ SC SAN SOUCI - 2/18 2236 call 924-???? for requests, "You are just a phone call away on WHYZ", UC, fair, light int. unID SS (DT-JA)

1090 KBOZ MT BOZEMAN - 3/9 0324-0406 in with C&W music, local ads & IDs. First time in. Found trying for KTNS test. Way under XEPRS but call audible in touchy null. (BWA-CA)

1100 KKLL MO WEBB CITY - 3/1 1902 Sign off noted. (WB-MO)

1110 WMBI IL CHICAGO - 3/1 1900 Sign off noted. (WB-MO)

1140 KFWB MO PIEDMONT - 3/2 1914 caught ID "No nicer country than KPWB AM 1140" just above the mess. (WB-MO)

1150 WAYY WI CHIPPEWA FALLS - 3/8 1917 caught clear ID above the mess, then in noise again. (WB-MO)

1190 KFEZ MO KANSAS CITY - 2/14 1600 fair to poor with WOVO with "This is KFEZ Kansas City, Missouri" legal ID into AP Network News, weather forecast at 1605 (EB-MO)

KUII TX DALLAS - 3/31 1909 good with Dallas/Ft. Worth traffic. (DS-TN)

1200 KYOO MO BOLIVAR - 3/2 1906 caught ID: "The Ozark's very own, KYOO, plays your favorite music." Briefly over WOAI. (WB-MO)

1220 WSLM IN SALEM - 3/13 2108 fair with high school basketball, legal ID, ads for Countryside Insurance and Sander's Pharmacy. (I'd swear announcer said Bob's Pharmacy the first time!) (DS-TN)

1290 WCBL KY BENTON - 4/4 1741 fair, day regular with WNQM-1300 off. "WCBL Sports". (DS-TN)

WBZT FL WEST PALM BEACH - 2/22 2006-2030 Bruce Williams on Talknet, local ad for A.P. Edwards in Lucerne, Lake Wales, and Pompano Beach, ID as "AM 1290 WBZT", fair, light int. from unID SS (DT-JA)

1300 WKXM AL TALAHASSEE - 4/4 1930 fair with satellite country and frequent "1300 WKXM" IDs. (DS-TN)

WFFG FL MARATHON - 2/22 2033-2051 C&W, local ad for restaurant, 2044 ID as "AM 1300 WFFG", fair over unID SS (DT-JA)

1310 WDOD TN CHATTANOOGA - 4/4 1824 weak, mixing with unID. Daytime regular with WNQM-1300 off. (DS-TN)

WGH VA NEWPORT NEWS - 2/23 1910-1830 sports how, clip of p-b-p basketball, ID as "Sports Radio 1310 WGH", poor o/u unID. (DT-JA)

WAGF AL DOTHAM - 2/24 2043-2058 talk, music, ID 2045 "...WAGF", poor under unID Cuban (DT-JA)

1340 KCQL NM AZTEC - 3/22 2011 Local ads, "Kool Kalendar", then oldies on "Kool 13-40". 2100 ID as "KCQL Aztec-Farmington". Call change, ex-KCEM. (OW-CO)

KKIT NM TAOS - 3/22 2114 Indian chanting to about 2145, then long fade; ID 2200, then Al nx, public affairs type shows. New, NM #56, thanks to local KDEN being off. (OW-CO)

1370 KGEN CA TULARE - 2/7 2140 Finally logged thanks to KEEN's demise. SID: "KGEN Radio Tulare" heard in EE - followed by songs in SS. Some QRM from KWRM, KSOP, KPCO. (MS-CA)

KXTL MT BUTTE - 3/14 2258-2310 good w/OLD and local ads. In and out most of the night - another 1370 since KEEN is gone. (BWA-CA)

1450 KSEL NM PORTALES - 3/12 2045 Fair in QRM w/p-b-p of state class A bkb tourney; YL w/sx scores at halftime; "Sports R. KSEL". Haven't hrnd since '90. (OW-CO)

1520 WKVQ GA EATONTON - 2/10 1843-1845 C&W, ID as "1520 WKVQ", poor int. from unID SS (DT-JA)

1540 WSMI IL LITCHFIELD - 2/26 1640 very good with C&W, local PSAs, farm report promo, weak on second harmonic (3080 kHz), calls stand for We Serve Mid-Illinois (EB-MO)

1550 WTYR TN SODDY-DAISY - 3/12 1925 heard briefly above mess "WTYR, all oldies." (WB-MO)

REPORTERS

(BWA-CA) Brent W. Allen; Merced, CA; Panasonic RF-2200
 (MS-CA) Mike Sanburn; Bellflower, CA; GE Superadio II
 (OW-CO) John Wilkins; Wheat Ridge, CO; Drake R-8 & 4' Box Loop
 (WH-CO) Wayne "help me with my logbook" Heinen; Aurora, CO;
 (WH-CO-1) R-390 A w/4' loop & Kiwa MAP unit
 (WH-CO-2) 1990 Ford Tiempo car radio

(BG-DC) Bob Gilfert; Washington, DC - Thanks for the unID help!
 (DT-JA) Don Trefeld; St. Ann's Bay, Jamaica; Kenwood R-2000, various long wires
 (EB-MO) Eric Bueneman (NOUIH); Hazelwood, MO; DX-200, DX-400, TM-152, SM-2

(JL-MO) Jefferson Lewis; Kansas City, MO; Grundig Satellit 400
 (RS-MO) Rocky Stone; Hollister, MO; R-2000, SM-1
 (WB-MO) Walt Breville; St. Louis, MO; Grundig Satellit 700
 (RB-NC) Ron Bailey (AA4S); Shelby, NC; Icom IC-765, 7 beverages
 (BW-OK) Bruce Winkelman (AA5CO); Tulsa, OK; R-390A & Quantum Loop
 (DS-TN) Doug Smith (W9WI); Nashville, TN;
 (SF-TN) Steve Francis; Alcoa, TN; Realistic TRF
 (TB-TN) Tom Bryant; Nashville, TN;

Contests

Rick Dau

917 E. College St., #6
 Iowa City, IA 52240-5513

Promotion of the DX hobby through competitive listening.

Contest Standings as of Feb. 28, 1993

	A	B	C	D	E	F	G
Rick Dau, Iowa City, IA	2203	798	60	1240	105	0	0
Rob Kramer, Chicago, IL	2193	863	100	290	940	0	0
Earl Higgins, St. Louis, MO	1362	592	20	600	150	0	0
John Tudenham, Joplin, MO	510	390	0	120	0	0	0
Bill Hardy, Aberdeen, WA	191	141	20	10	20	0	0
Nancy Hardy, Aberdeen, WA	159	114	20	10	5	0	10

B's Duncan

International DX Digest

Foreign DX Catches. Times are UTC; for ELT, subtract 5 hrs.

As promised last week, I am providing a list of some of my more interesting loggings from my recent stay in the Dominican Republic. The season seems to be closing down, but Eliot Straus hit a rich vein of DX at the beginning of March. And where is Mark Connelly? He's right here in IDXD, of course!

TRANS-PACIFIC DX

540 WESTERN SAMOA 2AP, Apia, 2/24 0530 - Along with the outlet on 747, the first TPs to show up at this time and subsequent evenings with "island music" and non-English chatter. [RHM*HI]
 738 FRENCH POLYNESIA Papeete, Tahiti, 2/26 0545 - With "island music", unID language (probably French). Not heard regularly or strongly. [RHM*HI]
 747 WESTERN SAMOA 2AP, Apia, 2/24 0710 - First to show up in the evening; first noted with "R. Australia" news. 2/25 0558 - Weather warning and program summary. A regular visitor, in English, first noticed when listening on 750 before switching to 9 kHz setting on the SW-1. [RHM*HI]
 1017 TONGA Nuku'alofa, 2/28 0728 - With Radio Australia news, 0749 weather mentioning Nuku'alofa, so clearly Tonga, although no ID heard, poor signal. [RHM*HI]

1570 HAWAII KUAU, Kaiku - Not heard. Is this an active CP? 1992 WRTW lists this as Kaihua-Kona; wonder if Kailua-Kona was the intent? [RHM*HI]

Roy speaks: "I wish I could hear some of this exotic stuff here [Marysville, WA]! A bit surprised I didn't hear WVUV-648, but too much KHNR I guess; didn't have a log, but didn't notice any het on 650. I'm sure projected KBQN-585 wasn't on."

TRANS-ATLANTIC DX

567 IRELAND 1/29 2232 - Classical violin or Irish fiddle music, in bad slop. [MC-MA]
 738 SPAIN Barcelona, 3/4 0135 - RNE program, man and woman in Spanish with discussion, poor. [ES-NJ]
 774 SPAIN synchros, 1/29 2227 - Loud with Spanish talk by two announcers. [MC-MA]

Jim Renfrew

61 Wilcox Street
Rochester, NY 14607-3832

837 CANARY ISLANDS / SPAIN 1/29 2225 - Man in Spanish. [MC-MA]
 882 ENGLAND Washford, 1/29 0222 - English talk atop second station (probably Canaries); fair through WCBS slop. [MC-MA]
 891 ALGERIA Algiers, 1/15 0120 - Arabic vocal, good. 1/29 2224 - Arabic vocal. 2/22 0247 - Loud with male Arabic vocal. [MC-MA]
 1053 ENGLAND/MOROCCO 1/29 2215 - English talk over Arabic music. [MC-MA]
 1089 ENGLAND 1/29 2205 - English discussion by man, to good peaks. [MC-MA]
 1107 SPAIN 1/15 0131 - RNE5 synchros good with Spanish talk. [MC-MA]
 1251 LIBYA Tripoli, 1/15 0144 - Arabic music in slop. [MC-MA]
 1269 SPAIN/CANARY ISLANDS 1/15 0147 - Apparent Spanish talk, poor. [MC-MA]
 1323 GERMANY 2/9 0505 - Man in German. [MC-MA]
 1359 MELILLA/SPAIN 2/20 2254 - Man in Spanish. 3/7 0331 - Pop music, Spanish talk, loud! Second only to Algeria in strength tonight. [MC-MA] (Is Melilla wishful thinking, now that Spain is on with high power? - Jim)
 1375 ST. PIERRE & MIQUELON 1/15 0148 - Excellent with mellow French vocal. [MC-MA]
 1467 FRANCE Roumoules 1/29 2248 - Man talking, possibly German, heavily slopped. [MC-MA]
 1521 SAUDI ARABIA 2/28 0611 - Man in Spanish; very good. SAH of approximately 3 Hz present. [MC-MA]
 1544 NORTH AFRICAN CLANDESTINE 1/29 2243 - Arabic talk and emotional vocal music, fair to good. [MC-MA]
 1566 UNID 1/29 2143 - Operatic female vocal, 3 Hz SAH, probably the usual Azores/Tunisia mix. [MC-MA]
 1575 SPAIN 2/28 0614 - Bits of Spanish talk, poor. [MC-MA]
 1584 SPAIN 1/29 2146 - Man in Spanish, poor to fair. 2/28 0605 - Man in Spanish, to good peaks. [MC-MA]

1593 GERMANY Langenberg, 1/15 0155 - Light pop music to fair peaks. 2/9 0508 - "My Brave Face" by Paul McCartney, then German talk. Loud, but very fluttery, clean copy only with synch. detector enabled. 2/21 0601 - News by woman in German, good. [MC-MA]

PAN-AMERICAN DX

550 JAMAICA RJR Montego Bay, 3/7 0005 - Dominating frequency with English DJ, ads, reggae music, etc. [ES-NJ]
 580 PUERTO RICO WKAQ San Juan, 3/7 0050 - "Radio Kah-Ah-Koo", "Radio Reloj", man speaking in Spanish. [ES-NJ]
 595 DOMINICA DBS Hillsborough, 3/7 0110 - Man with Carib-accent, Carib vocals, fair. [ES-NJ]
 629.4 DOMINICAN REPUBLIC R. Monte Cristi, Monte Cristi, 3/12 1344 - Noted on the low side. [JR*DR]
 590 ANGUILLA Caribbean Beacon, 3/7 0040 - Owned 690 with Dr. Gene Scott. [ES-NJ] (And when he's done he'll probably own every station in NJ too! - Jim)
 750 VENEZUELA YVKS Caracas, 3/7 0120 - R. Rumbos (R. Caracas? - Jim) pushing S-50 on the R-390 almost equal in strength to WABC-770, unreal conditions! [ES-NJ]
 780 COLOMBIA R. Almirante, Riohacha, 3/12 1041 - Sign-on noted at this time. [JR*DR]
 790 DOMINICAN REPUBLIC LV del Tropico, Santo Domingo, 3/12 1329 - Frequent power cuts during the period monitored. [JR*DR]
 790 BARBADOS VOB Road Town, 3/15 0256 - Noted in mess with music and "VOB" IDs. [JR*DR]
 810 COLOMBIA HJCY, CARACOL, Bogotá, 3/7 0015 - CARACOL ID, Man speaking in Spanish, fair. [ES-NJ]
 850 PUERTO RICO "WKAQ" Aguadilla, 3/12 2121 - IDing this way and parallel to 580 San Juan. [JR*DR]
 880 DOMINICAN REPUBLIC R. Santa Cruz, Mao, 3/11 2142 - Definitely the best local music (Merengue and Plena) heard on any station. [JR*DR]
 900 CUBA R. Reloj, 3/14 0923 - Not sure if this was a sign-on or not. Reloj appeared mid-sentence, but kept breaking out and in. [JR*DR]
 970 U. S. VIRGIN ISLANDS WSTX, 3/15 0047 - Noted with island music and mentions of Virgin Islands. [JR*DR]
 980 UNID R. Noroeste, 3/12 1413 - Noted all day long, mostly with music, looping east and west, with this

slogan. I wonder if this is from the Monte Cristi area? Cesar, have you heard this one? [JR*DR]

1000 COLOMBIA HJAQ, Cartagena, 3/7 0025 - RCN ID, man speaking in Spanish, music, good, LAs dominating almost every frequency at this time. [ES-NJ]

1020 VENEZUELA YVRS La Asunción, 3/7 0100 - "Mundial" Margarita IDs, Spanish vocals, so strong I couldn't even loop KDKA! S-40 on R-390, WBZ was S-30. [ES-NJ]

1030 HAITI - Nothing from 4VEH noted here at all, about a hundred miles from Puerto Plata. In fact there's not even a listing shown for this in the 1993 WRTW. The Haitian station on 840 could not be monitored because of a Puerto Plata station on the same frequency. A 1030 R. Novedades, La Vega CP listed in the 1993 WRTW was also unheard. [JR*DR]

1030 PUERTO RICO WOSO, San Juan, 3/14 2159 - CBS News, English ID as WOSO, "El Oso", then weather. [JR*DR]

1080 HAITI R. Nacionale du Haiti, Port-au-Prince, 3/11 1018 - religious services noted in the mornings, nothing noted in the evenings at all, only WIIC. [JR*DR]

1090 DOMINICAN REPUBLIC R. Amistad, Santiago, 3/10 1259 - Just like R. Reloj, but instead of clock ticks, this one sounds more like water drips! [JR*DR]

1100 DOMINICAN REPUBLIC R. Nagua, Nagua - Unheard, but their small concrete block building and adjacent antenna was observed along the main street in Nagua (an area that appears to be undergoing a lot of beachfront development). [JR*DR]

1109.9 DOMINICAN REPUBLIC R. Marién, Dajabón, 3/12 2133 - Slightly low with many mentions of "La Frontera" (the border area between the DR and Haiti). [JR*DR]

1128.6 VENEZUELA 1130 Musical, Barquisimeto, 3/15 0629 - Heard on the low side of Cartagena. [JR*DR]

1160 BERMUDA VSB Hamilton, 3/15 0659 - Presumed with BBC World Service, no ID on the hour, loop bearing correct. [JR*DR]

1239.0 DOMINICAN REPUBLIC R. Barahona, Barahona, 3/13 0159 - "R. Barahona el mas del sur", completely separable from local R. Revalación 1240 in Puerto Plata. [JR*DR]

1260.3 COLOMBIA CARACOL 3/12 1140 - ID, but which of the three listed here? [JR*DR]

1300 UNID 3/12 2221 - Series of accented English advertisements for various tourist attractions. Possibly R. 1300 Caracas which was heard shortly after this. [JR*DR]

1320 USA WLQY Hollywood, 3/12 1159 - What I think was a Creole language program. The call letter ID cleared up the mystery! [JR*DR]

1351.0 VENEZUELA R. Falcón, Puerto Cumarena, 3/12 2208 - Noted on the high side. [JR*DR]

1369.5 COLOMBIA R. Piloto, Barranquilla, 3/12 0300 - "La Palabra" religious program on the low side of this frequency. [JR*DR]

1370 PUERTO RICO Vieques Island, 3/12 2153 - "Guidelines" English religious program. I saw this station when I visited Vieques in 1981. [JR*DR]

1371.1 DOMINICAN REPUBLIC RTVD, Barahona, 3/11 1052 - Noted in parallel with RTVD 1490 but way up on the high side. Site is presumed from WRTH list. I also heard some French language on 1370, but not IDable though the hets, perhaps Haiti? [JR*DR]

1410.4 HAITI La Voix du Nordouest, Port-du-Paix, 3/14 1515 - ID heard through het as a man was speaking French/Creole. The only Haitian station heard during the day. [JR*DR]

1430 VENEZUELA R. Bahia, Puerto La Cruz, 3/9 0515 - Noted on new frequency, as others have reported from Europe. [JR*DR]

1490 VENEZUELA R. El Sol, Maracaibo, 3/11 0045 - Seems to run brokered "Radial Christiana" (or "RC") programs, although El Sol IDs were heard on the hour. [JR*DR]

1500 VENEZUELA R. Dos Mil, Cumuná, 3/9 0537 - IDs and frequent "door bell" chimes. [JR*DR]

1510 VENEZUELA Super Radio, 3/11 0032 - Many mentions of Venezuela, but not sure of the location. [JR*DR]

1520 DOMINICAN REPUBLIC R. Samaná, Samaná - Did not hear this station, but I saw its building on a day trip: a small concrete block building with a 100 foot antenna next door. [JR*DR]

1520.3 COLOMBIA R. Minuto, Barranquilla, 3/10 2341 - Noted on the high side of Puerto Rico's WRAF. [JR*DR]

1530 BELIZE VOA, 3/12 0139 - Heard in English // 1580, 5995 and 7405. Weaker than 1580, although 1580 had more co-channel interference. [JR*DR]

1570 DOMINICAN REPUBLIC R. Amanecer, Santo Domingo, 3/10 2330 - Now on this even frequency with religious programs. [JR*DR]

1590 DOMINICAN REPUBLIC R. Hit Musical, Santiago - CP on this frequency not heard. [JR*DR]

Comments on Dominican loggings: From March 8 - 15 I was vacationing in Puerto Plata, on the northern coast of the Dominican Republic. Circumstances allowed for intensive radio listening with my Sony ICF-2010 and Radio West Loop. I was fortunate that airport security in Toronto and Puerto Plata accepted my explanations about the loop at face value! As I logged about 250 medium wave stations from 25 countries, a simple bandscan would be rather tedious so I have some general findings, and some specific loggings that may be of interest.

A key goal was to log as many Dominican stations as possible. Using the 1993 WRTH I was able to log 63 of the 116 stations listed, almost all during the daylight. At night, I could generally hear only some of the stations in Santo Domingo and Santiago - the other Dominican locals were washed out by Colombia, Venezuela, Cuba and U. S. stations. At sunrise, Colombia, Cuba and U. S. were strongest. At sunset, Puerto Rico and Venezuela stations generally dominated. Other daylight receptions included Turks and Caicos, Puerto Rico, U. S. and British Virgin Islands, and Haiti.

I was interested in hearing stations from Haiti, but, as could be expected, only two (possibly three) were heard. Perhaps the others are off the air, or operating with restricted schedules and low power due to fuel shortages during the continuing political crisis.

I also noticed some of the Dominican stations off the air at odd times, presumably due to equipment problems. In Puerto Plata, for example, RTVD 1490 seemed to be off the air much of the time, RTVD 640 Santiago was missing one day, the R. Clarin 850 Santiago relay was only noted the day before I left, and I noted R. Puerto Plata 900 with a series of irregular breaks one evening. Something not easily appreciated by North Americans is the erratic nature of the power grid in many countries. On the last day of our stay the storm system that pulverized the east coast of North America with heavy winds and snow brought drenching rains to Puerto Plata and the power grid popped in and out all night and the next day.

Almost all of the English language splits were heard easily, including the Cayman Islands on 1205 and 1555 which are scheduled to go off the air in favor of FM this summer. It was a special pleasure to hear R.

Anguilla 1505 and Barbados 790 which I've never heard a hint of from the USA.

Major U. S. clear-channels were audible with a "flick of the loop" (KMOX the furthest west), but CBJ-1580 was the only Canadian heard. I heard quite a few U. S. day-timers as well.

Hets were heard up and down the dial, some strong, some weak, and I've listed all of those that I could identify. The decimal frequencies noted above are only approximate.

I also logged 38 FM stations, but nothing outside of the Dominican Republic other than a scatter reception of Miami's WMCU 89.7, 730 miles. Nothing heard from Turks and Caicos, Bahamas, Cuba or Puerto Rico as I'd hoped. My car radio is far better than the Sony, but it would have been impractical to bring my car along!

QSL INFORMATION

BAHAMAS: ZLS 526 Non-Directional Beacon, Stella Maris, Long Island, Bahamas: full-data QSL card signed by Earl Zellner, Federal Aviation Administration, Caribbean Sector Field Office, P.O. Box 592057, Miami, FL 33159. [RP-IL]

ST. KITTS & NEVIS: VON 895 no data personal letter from Evered Herbert, Manager, and information about Nevis, received in 3 months for \$1 from VON Radio, P.O. Box 195, Bath Village, Charlestown, Nevis, West Indies. Nevis has its own stamps, although postmark is "St. Christopher and Nevis". The island was named by Columbus who imagined snow ("nieves") on the

island's mountain. "The station is owned by Nevis Broadcasting Company, Ltd. Construction began January 1988 and was ready for operation in June of 1988. Commercially operated, that is revenues are received from the sale of advertisements to the general public. The Directors welcome and encourage the Nevis-St. Kitts public in particular and the entire Caribbean at large to view and value the station as their own, not only to effectively promote sales, but as an avenue to learn, share, and ultimately grow." Format is "Adult Contemporary/Mostly Caribbean Music / Wide Variety of Programmes". From 6 AM to 10 PM daily (1000-0200 UTC). [JR-NY]

CONTRIBUTORS

[RHM*HI] Roy H. Millar, Kona coast, Hawaii Island, HI; Sony SW-1 with Radio West unamplified ferrite bar antenna.

[RP-IL] Richard Palmer, Decatur IL.

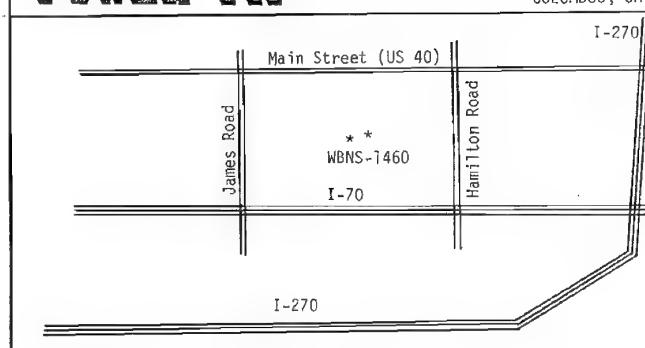
[JR*DR] Jim Renfrew, DXing from Puerto Plata, Dominican Republic; Sony ICF-2010, Radio West loop.

[MC-MA] Mark Connelly WAIION, Billerica MA; Drake R8, 20m wire and 37m wire with noise-reducing transformers to MWDX-5 Phasing Unit and MWT-3 Regenerative Preselector.

Jim

RADIOPROFUSORA MARAÑON,
TELEF. 510060 511018
TRANSMISOR 511022 511032
Bulvar 339 entre Gómez Mena y
Venezuela - Caracas 12-012603

TOWER TIP OH-11



WHAT TO LOOK FOR: Two self-supporting towers visible from US 40, I-70 and I-270.

CONTRIBUTED BY: Dick Truax, Louisville, KY



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Tells. 241540
241541 - 241542
Noticias: 241565

FM DX Digest

Mike Hawk, NØOSY

10212 P St.

Omaha, NE 68127-2130

DX on the FM band, from April through September

Welcome to another season of FMDX! As the new editor, I hope to provide a column as fine as those done by Todd Brandenburg over the last few years.

I've had a few requests for information about the propagation on FM, so I'll give a very brief run down on what you can expect.

E-skip is probably the most exciting kind of FM DX. Unfortunately, it is fairly uncommon until a few days into May. It can last for a few minutes, to several hours. It is most common during the daytime, but many times lasts until after sunset. Signals heard via E-skip will most often be between 700-1400 miles. Look for E-skip to strike lower frequencies (28 MHz and VHF TV) first, increasing as it intensifies.

Another common type of FM DX is tropo (tropospheric ducting). This occurs when weather conditions in the troposphere are just right, forming ducts. These ducts actually carry signals for a few hundred miles, to 800+ miles! They are most likely to occur on warm and fairly humid days. Also, wind and rain impede tropo, since they "mix up" the atmosphere too much for inversion layers to form. Just after sunrise and after sunset are the best times for tropo.

By the way, all times below are local.

Thomas J. Reiser, 9506 South Winchester, Chicago, IL 60643-1109

Equipment: Sony ICF-2003 w/built-in antenna 3-8-93 tropo (ELT)

2229 99.1 WFMK MI East Lansing - very poor with a River Valley Conference Basketball promo for a game on 3/9; new

2239 101.5 WNSN IN South Bend - good with lite rock

2242 93.7 ?? MI Grand Rapids - very poor with WJTN and WART QRM. Country music and formerly WJFM. (Thomas, the new calls are WBCT, & they ID as B-93 - I picked them up last summer and they had me confused, too. - mrh)

2245 95.1 ?? WI Kenosha - poor with "95 Will Rock" slogan ID. Heavy metal rock; formerly WUZO. (The calls are now WIIL - mrh)

Eric Bueneman (NOUH), 631 Coachway Lane, Hazelwood, MO 63042-1347

Equipment: Realistic STA-90 AM/FM/EM receiver, Archer Deluxe indoor FM antenna, Archer FM amplifier

Most of what I got are format changes, so here goes a whole winter's worth: (Times are CLT)

89.5 KCFV MO Ferguson- Alternative rock except for Heavy Metal Sat. 2000 - 2400,

Reggae Sun. 0800-1200, Dance/Techno Sun. 1200-1600, Rap Sundays 1600-2000, obscure classic rock 2000-2400.

91.5 KSLH MO St. Louis - now traditional jazz, "Jazz 91.5", hours 0600-2400.

94.1 KPCR MO Bowling Green - Now here (ex. 100.9), still CWM //KPCR-1530

95.5 WFUN IL Bethalto - returned 9/1/92 with pre-teen programming. ex-WXJQ, IDs as "Fun Radio 95.5, WFUN"

97.1 KXOK MO Florissant - classic soul //KXOK-630, "Mix 97.1 KXOK" since 11/11/92 ex-KHTK, dance/CHR

99.5 WRTQ KY Henderson - now Hot CWM, ex-AC/oldies. Was a top CHR station in the mid '80's!

100.3 KATZ IL Alton - Now contemporary jazz, "Jazz 100"

101.1 WFXB IL East St. Louis - Adult AOR (a.k.a. "Mellow Rock"), "The Fox"

104.5 KSLQ MO Washington - NOS/OLD //KSLQ-1350, hours are 0600-1800 on AM, 0600-2400 on FM

104.5 WFMB IL Springfield - CWM //WFMB one 1450, "B Country"

105.7 KPNF MO Ste. Genevieve - Alternative rock, "105.7 The Point". EX-KFXB, adult AOR and //WFXB-101.1

106.9 KFKB MO Jefferson City - Now light AC, "The Soft Rock Café", ex-KXTY, AC/CHR

Gary Houdek, RR 1 Box 16, Munden, KS 66959
92.7 KILS KS Minneapolis - On the air with 50 kw and country music. Address is 1112 Albert, Salina, KS 67401

102.5 KBLS KS North Fort Riley - On the air with 100,000 watts playing middle of the road music. I can hear the station and I don't know why they use North Fort Riley when there is no such town. Address is Box 69, Abilene, KS 67410

103.9 KOLA KS Ogden - Is on 103.9. My FM Atlas says it is on 103.5. Power is 3000 watts. [In the latest edition of the FM Atlas (14th), KOLA was accidentally placed in the 103.1 section. It seems they have been planning to move to 103.5 for a few years, but haven't yet, and might not at all. - mrh]

Mike Hawk - Equipment: Kenwood KT-815 tuner with mod. IF and 10 element yagi up 30'.

101.9 KYNN NE Lincoln - "Omaha's Young Country". Moved studios to Omaha. Ex. KFMQ.

103.7 KXKT IA Atlantic - now country and ID's as KT-103; ex. "The Cat"

Not much DX here besides a few 400 mile tropo openings. Not a bad turn-out for the first issue of the year! Keep it up! 73

The Challenging Crystal Set

For hobbyists demanding the ultimate DX challenge, Ray Cole's publication detailing step-by-step procedures in building a crystal set is for you! Only \$3.50 ... order from NRC Publications. (NY residents, add sales tax)

Verification Signers

Signatures and other information received upon request

Freq. Call	Signer	Contributor	
560 WEAZI	Herb Fayer M	DT	1150 WIMAlqbh Mark D. Gierhart DoE
590 WVLKlmz	Tom Devine CE	RT	1150 WSPZrz Walter Grant GM
600 WMTlh	Rick Sellers VP/Op	MH/RT/RA	1200 WWOK John Story Sls
610 WTVNl	Greg Savoldi CE	RT	1220 KJANlz Scott Williams PD
640 WNNZ	Curt Hahn P	ES	1230 WSBBI Wayne Hicox E
690 KEWII	Charlie Bottenberg DoE	ØW/RT	1240 WINKI Joseph C. Schwartzel VP/GM
720 CHTNqbf	Gordon Mills CE	MH/ES	1240 WUOK Vern Coleman CE
720 WWII	Dean Lebo GM	ES	1250 WDAEI Lloyd Berg CE
730 XEXlc	Ing Miguel Angel - Mamientos Valez	DT/DT	1260 KTTSIbu Don Paul PM
740 WVCHI	David W. Schmidt CE (NRC)	RA	1260 WBUD Wm L Smith CE
760 WVNE	Lincoln W. Hubbard CE	ES	1290 WCHKI Byron L. Dobbs M
780 KAZMlbz	Joseph P. Tabback GM	RT	1310 KAAMlqz Hue Beavers CE
810 WQIZpum	Ezekiel "Bob" Brown M	MH	1320 WLEE Edward E Burkhardt CE
820 WRFAI	David Sharp Sls	DT	1320 WQIKI Doug Walker DoE
830 KBOAq	Larry Anthony CE	RA/ES	1360 WMOBI Stephen L. Courtney M
840 WKTRlm	Tina Deane AM	RT	1420 WTCRlbz Jim Tillery VP/GM
870 WFLOI	Gene Eike GM	DT	1450 WSTU Robert L. Stanham CE
870 WQRX	Timothy H. Dobson CE	ES	1460 WIMX Chris Fickes OpM
920 CKNXlbz	Gerald Belanger DoE	RT	1480 KLEELm Bill Bishop PD
920 WGHQl	Walter Maxwell P	DT	1490 WMBMI Karl Gayle ProdD
920 WMMIc	William F. Brown CE	DT	1490 WRLDI Al Pearce P
940 WADV	Craig A. Senior	ES	1520 WWKB Tom Atkins CE
970 CBZlq	Rose Arsenal	DT	1560 WPADlin Linda Summers PD
970 KIXLpbu	U/U GM	ØW	1570 WCLElb George Wyatt GM
970 WFLAc	Wilson Welch CE	DT	1590 KWEYlbu Raymond Bagby E
990 WERKf	Bill Patterson CE	RA	1590 KYOKI David Rowland CE
1060 KKDScbu	U/U	ØW	1590 WARVlbmz Lincoln W Hubbard CE
1070 WANMfbz	Charles Kinney CE	MH/RA	1590 WRSSlz Andres "Bubo" Gomez P
1080 KRLDI	Eric J. Disen DoE	DT	1590 WWCCI John Duda CE
1090 WMUSl	Chris Roberts VP/E	RT/RA	
1100 KDRYr	U/U	ØW	DT Don Trelford JA
1100 KKLlb	Don Stubblefield GM	ØW	RT Robert Tiara NC
1110 CKTY	Brian Hinz TM	ES	ØW John Wilkins CO
1130 KAABlb	Bob Connell PD	WH	ES Elliot Straus NJ
1130 WHHRRm	Jerry Stevens GM	RT	RA Ray Arruda MA
1140 WBXRlbz	Butch Menefee GM	RT	MH Mike Hardester NC
		WH Wayne Heinen CO	

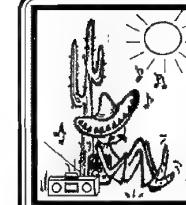
Contributors

DT	Don Trelford	JA
RT	Robert Tiara	NC
ØW	John Wilkins	CO
ES	Elliot Straus	NJ
WH	Ray Arruda	MA
RT	Mike Hardester	NC
RT	Wayne Heinen	CO

13 Wayne

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Target DX

Bruce Conti
46 Ridgefield Drive
Nashua, NH 03062-1174

DX'ing 'smart', with shared tips and requests by NRC members

GE Superadio Offers High Quality AM

Radio World, March 24, 1993 via Bruce Conti

The following is an excerpt from a review of the GE Superadio III by John Gatski in Radio World, March 24, 1993. Considering the initial comments that have appeared in DX News, I thought this might be of interest to those who were the first to purchase III's, because some defective units have escaped from the factory. Read on!

Technical Difficulties

A few early models of the Superadio III, made in mid-to-late 1992, were shipped from the factory with severe sensitivity problems. The factory did not catch all bad ones before they got into the distribution channels.

According to Thomson, Hong Kong manufacturer of the GE unit, would-be buyers can look at the four digit date code (not the serial number) on the box or in the battery compartment to see if the product is a potentially defective unit. Check the second, third, and fourth numbers, which represent the year and fiscal week it was manufactured. The first number represents the day of the week and is not important in identifying a bad radio.

If the second number is "two", then it was built in 1992, which means it could be defective. Don't worry about the radio when the second digit is three. Next, look at the last two numbers. If they are "42" or higher, the unit does not have the sensitivity problem. Those with "41" or earlier fiscal week codes should be auditioned before purchasing. Chances are, however, that most units built before the 42nd week are good, Thomson said.



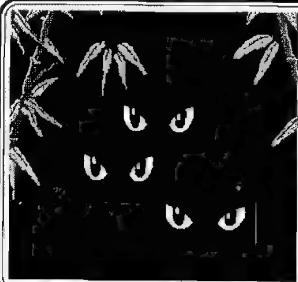
Are you expiring?

We hope not! To avoid expiration, mail your remittance to the DX News Membership Center early. Allow at least three weeks after mailing your check or money order for new renewal data to appear on your mailing label. Please provide full nine-digit ZIP numbers, too.

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International DX Achievements

Paul Swearingen

2840 SE Illinois Avenue
Topeka, KS 66605-1427

International DX totals listed periodically in different categories

Year Started	DX'er	Location	Update	Africa	Last		Best		Total		OcAsia			
					Veried	Ctrys	Frgn	NA	SA	Eur				
1958	Dangerfield, Ben	PA	1981	31	Pietermaritzb.	845	422	118	323	84	44	148	8	8
1946	Holbrook, Hank	MA	1982	26	WIND-1582		2528	101	704	270	93	147	49	2
1946	Moore, Ray	MA	1992	24	Cairo-773		245	104	245	95	52	59	8	7
1934	Gustafson, Hilding	IL	1984	23			862	112	316	68	36	114	61	14
1933	Geary, Kermit	PA	1965	18	WIND		4581	82	780	415	173	115	59	
1940	Morss, Stan	MA	1993	14	WIND		3922	84	424	218	65	221	14	3
1958	Merriman, Alan	VA	1974	12	Yerevan-863		1460	89	314	171	42	82	3	4
1933	Cooper, Ernest	NY-MA	1980	6	WIND-1582		4142	79	760	528	131	88	7	
1960	Rugg, Andy	QC	1993	6	Cairo-773		1672	69	203	111	68	65		1
1952	McIntosh, Eric	NZ	1965	4	Algiers-890		686	63	635	301	2	45	253	81
1954	Starr, Jerry	OH	1974	3	Agadir-935		1209	51	194	134	34	20	3	
?	Callarman, John	?	1970	3	Algiers-890		740	50	138	72	20	17	20	6
?	Sampson, John	NJ	1965	3	Sierra Leone-1200		445	54	72	23	6	38	1	1
1952	Millar, Roy	WA	1992	1	Dakar-764		2025	81	369	154	34	18	99	63
1958	Wesolowski, Etinne	NE	1977	1	Dakar-764		1898	24	168	153	6	7	1	
1962	Musco, Ron	CT	1985	1	Dakar-764		1121	28	36	29			6	
?	Fela, Joseph	NJ	1965	1	Dakar-764		738	24	35	19	4	11		
1963	Scrimgeour, Gray	CA/ON	1971	1	Dakar-764		526	47	440	354	10	18	31	26
?	Dellit, Sam	Australia	1978	1	Maritius-683		362	37	218	109	5	80	23	
1941	Kruse, Len	IA	1971				4080	15	77	61	3	13		
1931	Steele, Sid	IL	1982				3001	35	286	256	10	2	3	1
1931	Wheeler, Frank	PA	1982				1732	25	78	68	7	1	2	
1967	Eddie, Richard T.	MO	1982				1570	22	32	29	2	1		
1964	Reynolds, Bruce	?	1977				1103	28	121	111	6	2	2	
?	Taylor, Pete	?	1966				1091	55	262	111	10	15	77	49
1947	Luton, Relfe	NC	1973				1049	23	142	102	4	3	33	
1974	Kritter, Mike	WI	1983				936	17	53	45	8			
1976	Renfrew, Jim	NY	1984				928	38	51	44	7			
?	Heinen, Wayne	NY	1981				882	18	116	109	2	5	1	
1975	Swearingen, Paul	KS	1992				690	21	87	35	16			
1964	Sorensen, Morris	ON/MA	1975				537	13	385	375	1	9		
1968	Bytheway, Phil	WA	1982				457	9	20				1	
?	Erickson, Don	CA	1982				442	6	9	8				
1962	Kerfoot, Tim	ON	1975				342	13	259	255	2	2		
1977	Vernon, Brian	YU	1981				314	39	232	7	1	63	106	55
1962	Edmunds, R. J.	NJ	1969				226	10	56	53	1			
1973	Mount, Paul	OH	1978				225	6	25	22	2			
1969	Karchevski, Bob	MA/CA	1975				204	24	141	112			6	
?	Casamassima, Anthony	NY	1966				124	3	13	12	1			
1965	Long, John	CT	1968				101	29						
1976	Higgins, Earl	IL	1981				60	7	5	4		1		
1975	Bartek, Daniel, Jr.	NE	1976				23	2						
?	Falconer, Jeff	ON	1976				49	1175				44		
1960	Lynch, Don	MA	1980				9	157						



Thanks to Dan Bartek for handling this column for several years. As I have an up-to-date database for IDXA, I'll take over the column for now. Thanks to the four updaters from Ray Moore, Andy Rugg, Roy Millar, and Stan Morss; and as Rich Eddie rejoined recently, we'll add him back into the list, as we're continuing to list all current NRC members, no matter how long ago your last update was.

The purpose of this column, by the way, is to show just how many stations can possibly be verified in various locations, so that if you live nearby one of the DX'ers listed above, you might be able to hear some, all, or more than totals and best stations listed. Listings are for stations verified or taped (not heard). June's priority: Europe/Total veries. Now that DX activities have slowed down a little, why not recount your totals and send your updates to me ... by June 18 to be listed.

For Beginners

Jack Woods

P. O. Box 1003

Waldport, OR 97394-0514

Information and advice of interest to inexperienced DXers

The Geomagnetic Summary

Each month *DX News* includes the "Geomagnetic Summary" prepared by Phil Bytheway. The purpose of this "For Beginners" article is to discuss some of the information contained in the Summary and how it affects medium wave DX.

QUESTION: What is the Geomagnetic Summary?

ANSWER: It is a tabulation of information provided by the National Institute of Standards and Technology, which describes the state of the earth's magnetic field. A number of observatories throughout the world continuously monitor the earth's magnetic field (known as the geomagnetic field). In its normal or quiet state, the geomagnetic field appears very nearly steady in strength and direction. However, the instruments used to monitor the field frequently indicate short-term variations. These indicated variations have been observed for more than a century. For many years the cause of the variations was not known, but they are now known to be caused by clouds of electrically charged particles cast off by the sun, and which, as they travel through space, impact the geomagnetic field. Each day, the National Institute of Standards and Technology reports the activity of the geomagnetic field and predicts the activity level for the following day. The Geomagnetic Summary which appears in *DX News* is a tabulation of the daily reports for about one month.

QUESTION: How are the daily reports made public?

ANSWER: By several methods. The easiest way for most DXers to obtain the reports is by tuning to WWV and WWVH which broadcast continuously on 2.5, 5, 10, 15, and 20 MHz. The geomagnetic report is on WWV at 18 minutes past the hour and on WWVH at 45 minutes past the hour.

QUESTION: The Geomagnetic Summary uses the terms Solar Flux, A Index, and K Index. What do those mean?

ANSWER: Solar flux is radio frequency noise emitted by the sun. It is received on a specific frequency at an observatory in Canada. The solar flux measurement has been

found to be a convenient way to estimate the sunspot number. Higher sunspot numbers mean higher levels of ionization of the ionosphere. This is a long-term effect. Day-to-day solar flux variations have little if any impact on medium wave DX conditions.

The A Index and the K Index are measurements of geomagnetic activity. The A Index is a measure of activity averaged for a full day. A reading of 0 to 7 indicates a quiet geomagnetic field. A reading of over about 50 indicates a major disturbance, known as a major geomagnetic storm. The K Index is a measurement of activity for a 3-hour period of time. The K Index is on a scale of 0 to 9. A reading of 0 to 2 indicates that the field is quiet, while a reading over 5 indicates a major storm.

QUESTION: What does the state of the geomagnetic field have to do with medium wave DX?

ANSWER: The same clouds of electrically charged particles from the sun that cause the geomagnetic field to fluctuate, cause the ionosphere to be turbulent and erratic. Remember that the ionosphere, the ionized region of the earth's atmosphere extending from about 40 miles in altitude on up, contains zones of maximum ionization known as layers. Although the ionosphere always has some turbulence, and the degree of ionization varies greatly over time, in the normal condition the layers are reasonably well-defined and predictable. Long distance radio reception is possible because radio waves at some frequencies, entering the upper layers of the ionosphere, tend to be bent back down and returned to earth.

During a geomagnetic storm the upper layers of the ionosphere tend to break up and shift in position due to turbulence. The effect on medium wave DX is to cause erratic variations in signal strength, and generally reduced signal strength, although at times signal strength may actually increase. This disruption of the ionosphere during a geomagnetic disturbance varies with latitude. It is minimum over the equator and maximum over the poles.

Another common effect that accompanies a geomagnetic storm is greatly increased ionization of the lower levels of the ionosphere in the polar regions. Zones of increased

ionization form, centered on the magnetic poles. These are known as auroral zones. The size of the auroral zones is proportional to the severity of the magnetic disturbance that occurs at the same time. Therefore, the A and K indices are indicators of whether or not auroral zones exist.

As a matter of interest, the auroral zones are named for the aurora, those bands and streams of light that frequently appear in the polar regions at night (and which are caused by the same charged particles) and which occur at the same time.

QUESTION: What are auroral conditions and what is their effect on medium wave DX?

ANSWER: The effect of the auroral zones is to absorb medium wave signals passing

through them. Here in North America we say that auroral conditions exist when the northern auroral zone extends far enough to suppress signals from radio stations to the north of our location, and sometimes from the east and west, allowing reception of stations to the south, which normally cannot be heard. The extent to which auroral conditions affect DX varies greatly with geographical location. Often, auroral conditions are reported from one area during times in which DXers in other areas have not noticed them at all.

REFERENCES: This article has been written with reference to "MW Signal Paths", by Gorden Nelson, a NRC reprint. That article is recommended for additional reading on this subject.

More AM Radio History in Washington, DC - by Perry F. Crabill, Jr.

These comments were prompted by Thomas M. White's article about the history of broadcasting in Washington, DC, appearing in *DX News*, Vol. 60, No. 22, March 22, 1993.

I was born in 1920 and lived in the city or its suburbs until moving out of the area in 1982. As a youngster, I remember being allowed to listen to crystal sets my father built during the 1920s. However, I was too young to pay attention to call letters and other station information during this early period.

Later we were given a battery radio by friends who had bought one of the new a-c operated sets; I would judge that this was around 1928. We had a "B" eliminator for the plate supply, and used an automobile storage battery in the basement for the filaments.

By this time most of the early stations listed by Mr. White were gone. I do have some information about some of the other stations, as follows:

NAA

This was the US Navy station for Washington, DC, located across the river in Arlington, Virginia, near Ft. Myer. It was on a ridge overlooking the city, and featured three tall steel towers sometimes referred to as "The Three Sisters". The tallest tower was about 600 feet in height, and could be seen for miles around. NAA transmitted on various frequencies; many of these were longwave, below the broadcast band, as well as shortwave.

Regular transmissions included time signals on various frequencies, starting at five minutes before the hour, and concluding on the hour with a long dash. These signals originated at the US Naval Observatory on Massachusetts Avenue in Washington, DC, and were the standard for time around the world before the advent of WWV and WWVH.

Other naval stations relayed these signals; these included NBA, Canal Zone; NPM, Pearl Harbor, Hawaii; NPO, Cavite, Philippine Islands; NSS, Annapolis, Maryland; and NPG, Mare Island, California.

NAA was used as the US transmitting station for transatlantic voice communications with the French station at the Eiffel Tower. AT&T engineers took part in these tests, and I have been told that the first words transmitted were "Hello, Shreve", to the AT&T engineer at the French receiving station. I believe this was around 1915.

By the time I was old enough to pay attention to the NAA broadcasts on 690 kHz, they consisted only of transmission of time signal beeps beginning at 9:55 AM and PM, followed at 10 o'clock by a voice reading of a weather report from the US Weather Bureau. My recollection is that all broadcasts of time and weather on 690 kHz ceased as of June 1, 1936.

The towers were taken down sometime during or after WW-II, and operations taken over by NSS at Annapolis. The call letters NAA are still in use by the Navy station at Cutler, Maine, used to send encrypted messages to submerged nuclear submarines on VLF frequencies. Cutler also operates on shortwave. The original Arlington location of NAA became the headquarters location for the US Defense Communication Agency, and I have attended meetings in the old transmitter building. The antennas were long gone, but the bowl feed-through insulators still remained in place in the walls.

WCAP

This station owned by the Chesapeake and Potomac Telephone Company is one of those that I don't remember. However, I do have

some information about the history of it, gleaned from C&P employees who were involved with it during its operation.

When WCAP went on the air, C&P appointed Barron P. Freeburger, W3DK, as Chief Engineer. I believe that Barron had previously worked in Baltimore as a motion picture operator. Barron and I became friends after I went to work for C&P in 1939; he was a foreman at that time.

Clarence Godfrey, W3---, was also involved with WCAP. Some time after the station was decommissioned, Clarence was in charge of the removal of the old broadcast tower from the roof of the telephone building at 722-12th Street, NW. Unfortunately, the crane operator let the tower get away from him after it was unbolted from its supports, and it crashed through the roof of the building.

At that time Washington's telephone service was manual, and the city's switchboard for the downtown area and government agencies was located on the top floor of the building. I don't believe any of the operators were injured, but Clarence told me that the girls fainted by the dozens, and he had to hire a fleet of taxis to take them home.

In later years the call letters WCAP were used by a station in Asbury Park, New Jersey.

WMAL

This 250-watt station on 630 kHz, owned by the M. A. Leese Optical Company, was at 712-11th Street, NW, only one block east of WCAP. Its tower was relatively short, and remained in place on the roof for years after the station moved to a site in nearby Montgomery County, Maryland. It carried programs from the NBC Blue Network.

WOL

This 100-watter on 1310 kHz was located in the Annapolis Hotel, which was on "H" Street, NW, between 11th and 12th Streets. This put it halfway between WCAP and WMAL, but a block north of a line connecting the other two. I have wondered since what intermodulation interference must have been like in that area. WOL's antenna was a multiwire flat-top, supported between two pipe-type masts on the roof of the building.

I remember WOL signing off at 2 o'clock each afternoon, returning to the air some hours later for the evening. I learned that this daily shutdown was necessary to recharge batteries; however, I don't know whether these were transmitter filament batteries or some other supply. Their sign-off tune was called "The Goodnight Song", and they used this for the afternoon sign-off as well as the one at

night.

They were affiliated with the American Broadcasting Company; at some point WOL became the Mutual outlet for the area. Also, the frequency changed to 1230 kHz, and later 1260 kHz, with 1 kW, and the station relocated to the Maryland suburbs. WRC

This 500-watt station on 950 kHz was originally located in uptown Washington, in the Riggs Bank building at 14th Street and Park Road, NW, with its antenna on the roof. This placed it several miles north of the other stations clustered in the downtown area. It carried the NBC Red Network programs. Eventually it moved to Queens Chapel Road in Prince Georges County with a new 5 kW transmitter and a 400-foot tower. The current frequency is 980 kHz, and it's now WWRC.

WJSV

This station's location in Mount Vernon Hills, Virginia, was near the city of Alexandria, and across the Potomac River from the Naval Research Labs at Bellevue, DC. This facility did a considerable amount of radio research; in fact, the first US radar experiments were made here. The Navy required WJSV to use a directional antenna to minimize the field strength of their 10 kW 1460 kHz signal at NRL; as a consequence, WJSV's signal was unusable in a good portion of Prince Georges County, Maryland, despite its proximity. Eventually they moved to what was then a rural transmitter site in Wheaton, Maryland, with 50 kW, and a three-tower array to protect KSTP in St. Paul, Minnesota. Call letters were changed to WTOP some time after the move, as I remember.

On "radio's moving day" the frequency was moved up 40 kHz to 1500 kHz. Granville Klink, W3AFV, was chief engineer for years; I believe he is still works for the station as a consultant. "Granny" has an audio tape that tells the history of WJSV/WTOP over the years, and it's well worth listening to. Although Arthur Godfrey got his early start in broadcasting in Baltimore, his career really took off after he became the morning disk jockey on WJSV. Incidentally, the "rural" transmitter site is now in the middle of a suburban Washington residential and business community.

WINX

For a long time in the thirties, Washington had only four stations; WMAL, WRC, WOL and WJSV. The next station to come along was WINX, located at 8th and I Streets, NW, in downtown DC; this may have been in the late thirties. It operated on 1310 kHz with 250

watts, but its nighttime coverage in the outlying areas of the city wasn't very good. At one time they operated at least two synchronized satellite transmitters on the same frequency. I believe there was one in Silver Spring, Maryland, and also one in Arlington, Virginia. Arthur Bugg, one-time engineer for this station, told me that the problem with synchronous operation was the area of "mush" or distortion in the equal-signal region between the master and slave transmitters. He tried to adjust the transmitters so the area of "mush" fell along the Potomac River for listeners in Virginia.

WBES

I had no prior knowledge of WBES before reading Mr. White's article, but I find it very interesting because I graduated from Bliss Electrical School in 1939, and went back in 1945 for three months during WW-II when it was operated by the Navy as a Primary School for Radio Technicians. When I entered the school in the Fall of 1938 there were no signs of WBES, and none of the staff ever mentioned the subject. During the Navy course an instructor told me that the school was

thinking of applying for an experimental license after the war, but I don't believe it happened.

W3XJ

During the thirties the Washington area had a TV station; this was W3XK, operating between 2,000 and 2,100 kHz using the rotating disk scanning arrangement of that day. The associated sound transmitter was W3XJ, using AM just above the broadcast band's upper limit of 1500 kHz. It could be heard on most broadcast receivers, and I listened to it from time to time. These stations were located near Wheaton, Maryland, and I remember seeing the antenna towers as we drove by. They were operated by C. Francis Jenkins, an inventor and experimenter who worked on facsimile developments in addition to television.

Conclusion

Most of the above information is based on personal recollections of the period involved, with some details verified by reference to Tom Kneitel's *RADIO STATION TREASURY, 1900-1946*.

**MAJIC 102.3
WOL 1450**

WASHINGTON'S PERFECT COMBINATION

The Washington Post
-via Bob Gilfert

morning competitors here was Doug "Greaseman" Tracht, whose show from Los Angeles is now being taped at night and played the next morning on Atlanta's Z-93. Tracht is heard here nightly on WJFK-FM/AM (106.7/1300).

Santos Fired

WTLL-FM (94.7) Program Director Chuck Morgan yesterday called in vacationing evening host Al Santos to let him know that he could stay on vacation. "Chuck told me that they didn't think I was doing as well as I could do," Santos said. "They didn't think I was taking enough phone calls on the 'Love Line,'" the four-hour weeknight love ballad show. Santos has hosted evenings and the popular "Sunday Jazz Brunch" since February 1987.

News Director Eric St. James will continue to anchor the morning news, Jones said. Meanwhile, St. James and Jim Allen, news director and morning anchor at sister station, WOL-AM (1450), are teaming to host "The Front Page," 30 minutes of news and commentary airing weekdays at 5:30 p.m. on the combo.

Where Are They Now?

Jim Elliot, once teamed with Scott Woodside at WPGC-FM (95.5) and later at WRQX-FM (107.3), last week called WPGC's new host, Donnie Simpson, to congratulate him on taking over the morning show earlier this month. Elliot, who worked at WBMW-FM (now WJFK-FM), WAVA-FM and again at WPGC after splitting from Woodside in July 1986, is now a vice president of promotion for a record company in New York and is heard weekends on the Big Apple's Z-100.

Woodside, meanwhile, is morning talk host at WGUN-AM, a CBS affiliate in Atlanta. "I love talk radio," Woodside said Sunday. "I don't have to compete with records anymore. And I don't have to hear 'Truckin'' by the Grateful Dead every hour and 20 minutes."

Woodside continues to pursue an acting career and has appeared in two episodes of CBS's "In the Heat of the Night."

Coincidentally, one of Woodside's former

The 21st annual Bill Mayhugh Leukemia Society Radio-thon, heard on WMAL-AM (630), raised a record \$1,635,508 over the weekend.

The 21-hour, noncommercial event was broadcast from the Fashion Centre at Pentagon City. The United Food and Commercial Workers International Union, which represents grocery store and hotel workers in the area and collects donations year-round, contributed \$1.4 million.

Radio That's Just for Kids

IT'S 6:35 and the morning sun has just cleared the horizon. Westbound Beltway motorists watch in wonderment as sunrises dance against the spirals of the Mormon Temple. And at 1050 AM on the radio, WKDL morning host Kenny Curtis has just the right tune: "Here Comes the Sun" by the Beatles. But it hits the spot only by coincidence, because rush-hour motorists aren't Curtis's target audience. Kids are.

"You're listening to 'The All American Alarm Clock,'" Curtis tells listeners, "where a kid can be a kid. In fact, where anyone can be a kid."

At 24, Curtis is the youngest morning host on Washington radio, connecting with the area's youngest audience, children 4 to 12 years old. Curtis has some relevant experience; he also hosts "Fox 45 Clubhouse" on Baltimore's Channel 45.

WKDL signed on from Silver Spring this month. It is radio's answer to cable TV's "The Family Channel," but without the black-and-white reruns of a bygone day. Instead, it aims to reach some of the nearly 2 million children who live in the Washington-Baltimore area. Already there are kids' radio stations in Minneapolis, Los Angeles, Phoenix and Salt Lake City. More are expected to crop up as station owners discover this untapped market.

WKDL owners Larry Kessner and Virginia Carson expect to have their two other stations, WKDV-AM (1460) in Manassas and WKDH-AM (1230) in Baltimore, on the air with the same programming by the end of April. It's called the "KidsZone," the place to hear "Great Music for Great Kids."

The tunes are appealing, and not always just to kids. "Brother for Sale," by Mary Kate and Ashley Olsen, the twins who play "Michelle" on TV's "Full House," is currently in hot rotation on the station's playlist. Also getting play is a bouncy ditty by Cheech (as in "Cheech and Chong") that goes, "My name is Cheech and I'm a school bus driver." You always wondered what became of him.) Cat Stevens sings "If You Want to Sing Out," and the Doobie Brothers' offer their rendition of "Wynken, Blynken and Nod." A number of Beatles hits from the "Abbey Road" album get airplay, including "Octopus's Garden" and "Your Mother Should Know."

The list of other artists reads like a "Who's



Ashley (or is it Mary Kate?) Olsen, whose "Brother for Sale" can be heard on kids' radio station WKDL.

Who" in contemporary, baby-boom pop music: Carly Simon, Carole King, Al Jarreau, James and Livingston Taylor, Amy Grant, Bruce Springsteen and Tom Paxton. And there are comedy cuts appreciated by the big kids as well as small; Alan Sherman and Spike Jones albums are in the studio.

But there is more than music and cute stuff. The newscasts include the most prominent news story of the day written so children can grasp the idea along with fun facts. In a bit called "Around the World in 30 Seconds," the audience is told that Indonesia is made up of 3,000 islands and that 70 different languages are spoken there—all in one country. "Whaddya Know?" elaborates on the origin of such little-known or unknown facts as who invented spoons, who put the "butter" in butterfly and "why we park in a driveway and drive on a parkway," says Curtis.

Then for kids riding with their parents, Metro Traffic Control reports roadway conditions. And no kid should ever be cheated out of a weather report, so there are plenty of them.

When Curtis signs off at 10 a.m., "Radio Aahs" takes over, syndicated programming from the Minneapolis-based Children's Satellite Network with host Robin Blair focusing

on educational songs about letters, numbers, colors, shapes and other developmental interests. For 30 minutes beginning at 1 p.m., "Storytime Theater" features Disney stories and classic adventures. More music follows until 8 p.m. when "Evening Theater" helps young listeners prepare for bed with fables and fairy tales. Then there's more music overnight. Nighttime listening gets a little harder the farther you get from the station's Piney Branch tower when power on WKDL drops from 1,000 to 47 watts at sunset, in accordance with its Federal Communications Commission license. The bright side of this is that parents don't have to yell "Suzzy, turn off that radio and go to sleep!" The FCC has seen that to that.

Meanwhile, a playful Curtis has quickly learned the importance of taking entertaining liberties with song dedications: "Here's a song going out from Hillary to Bill," he says, as his voice melts into bars of "Don't Stop Thinking About Tomorrow." Already, some of the kids have gotten the message.

—Jeffrey Yorke

BROADCAST VIEWS — Groups and individuals who watch a live broadcast of WKDL's weekday morning show. Up to 40 audience members sit on bleachers watching the proceedings. Call 301/588-1050.

abilities Program will provide a \$145,000 grant toward the estimated \$255,000 cost.

WETA is required to raise \$85,000 of the costs in the WETH listening area by the end of next month. A committee was formed months ago and last week began soliciting contributions from businesses in that region, Stuart said.

For the Record

Alfred Liggins has dismissed an industry rumor that Cathy Hughes, his mother, would soon take a six-month leave of absence from her WOL-AM (1450) morning chat show to form a record company that would feature Hughes's companion, harpist Jeff Majors, as the label's star.

Liggins and Hughes own and operate soul-station WOL and adult-contemporary WMMJ-FM (102.3) under the banner of Radio One.

"My mother is not going anywhere! She's got big numbers," Liggins said Sunday with a laugh. "She is not taking any time off ... positively, absolutely, unequivocally, no."

In fact, Liggins started New Age Soul Music, a company that has sold more than 5,000 of Majors's CDs and cassettes through area record stores as well as at the radio stations. Majors's work

frequently gets air time on the con-bo. Liggins said he didn't know what Hughes was hunting at when she told her Friday audience that she had "a very special announcement that I hope we can make to the WOL family in the next couple of weeks," but he speculated that she could be talking about Radio One's negotiations to purchase five stations in two markets.

Liggins declined to identify the stations or the markets but predicted a deal would be cut in the next few months. The company also owns WWIN-AM/FM in Baltimore.

Around the Dial

Country combo WMZQ-AM/FM (1390/98.7) collected \$202,258 for St. Jude Children's Research Hospital during a two-day marathon fund-raiser from Fashion Centre at Pentagon City that began Friday. WMZQ was one of 10 stations in the country that raised funds for the Memphis hospital over the long weekend ... WWDC-FM (101.1) veteran weekend voice and production director Ernie Kaye said he has lost his job in a station "reshuffling" to make way for the new "Harris in the Morning" show. Kaye, 37, who hung his headset at DC-101 for more than 14 years, said he received "a generous severance" settlement.

The Washington Post
via Dave Norment

Graveyard DX Totals

Total stations logged on graveyard frequencies

1450 kHz

Logged from Jan 1, 1960 to Present

Date of Last Update: Dec 21, 1992



WDNG	AL	Anniston	Carl Dabelstein	Overland Park, KS	615
WYAM		Bessemer	Brian Bursack	Columbus, OH	450
WDLK		Dadeville	Jim Renfrew	Rochester, NY	837
WDIG		Dothan	Alan Impresia	New York, NY	914
WFIX		Huntsville	Carl Dabelstein	Lincoln, NE	698
WLAY		Muscle Shoals	Tim Kerfoot	Weston, ON	780
KLAM	AK	Cordova	Esa Hänninen	Lemmenjoki, Finland	3491
KDAP	AZ	Douglas	Gene Allen	Vallejo, CA	870
KNOT		Prescott	Mike Sanburn	Bellflower, CA	335
KVSL		Show Low	Robert Kramer	Chicago, IL	1328
KOLD		Tucson	Laurie Boyer	Invercargill, NZ	7348
KENA	AR	Mena	Stephen Ponder	Ft. Smith, AR	59
KYOR	CA	Blythe	Mike Sanburn	Bellflower	214
KAVA		Burney	Mike Hardester	NAS Miramar, CA	631
KOWN		Escondido	Mike Sanburn	Bellflower	92
KPAL		Palm Springs	Laurie Boyer	Invercargill	7403
KTIP		Porterville	Frank Merrill	Nenana, AK	2319
KEST		San Francisco	Esa Hänninen	San Francisco, CA	4897
KVML		Sonora	Don Kaskey	Kaneohe, HI	107
KVEN		Ventura	Dale Park	Leavenworth, KS	2538
KOBO		Yuba City	Esa Hänninen	Lemmenjoki	4799
KGIW	CO	Alamosa	Frank Merrill	Milan, MI	1222
KDMN		Buena Vista	John Wilkins	Wheat Ridge, CO	84
KGRE		Greeley	Olle Alm	Abisko, Sweden	4379
KDRW		Silverton	Niel Wolfish	Winnipeg, MB	959
WNAB	CT	Bridgeport	Frank Wheeler	Erie, PA	423
WRJM		Poquonock	Steve Goozovat	Binghamton, NY	167
WILM	DE	Wilmington	Rodney Valdron	Petit Rocher, NB	740
WOL	DC	Washington	Rodney Valdron	Petit Rocher	835
WWJB	FL	Brooksville	Jerry Starr	Youngstown, OH	860
WMFJ		Daytona Beach	Andy Rugg	Montreal, PQ	1200
WKSP		Miami	Chris Lucas	Fairfield, CT	1130
WBSR		Pensacola	Carl Dabelstein	Lincoln	897
WSPB		Sarasota	Alan Impresia	New York	1042
WTAL		Tallahassee	Charles Reh	Leamington, ON	807
WBHF	GA	Cartersville	Steve Francis	Alcoa, TN	123
WCON		Cornelia	Carl Dabelstein	Lincoln	859
WMVG		Milledgeville	Ron Musco	Windsor, CT	850
WQQT		Savannah	Mike Csrabay	Canfield, ON	755
WVLD		Valdosta	John Wilkins	West Des Moines, IA	946
KBFI	ID	Bonners Ferry	Shawn Axelrod	Winnipeg, MB	865
KVSI		Montpelier	Les Carpenter	Sandy, UT	157
KORI		Payette	Esa Hänninen	Lemmenjoki	4411
KEZJ		Twin Falls	Olle Alm	Abisko	4403
WVON	IL	Cicero	Chris Lucas	Fairfield	755
WKEI		Kewanee	Pete Taylor	Durham, NC	700
WCVS		Springfield	Russ Edmunds	Parsippany, NJ	818
WAFX	IN	Fort Wayne	Niel Wolfish	Winnipeg	884
WXVV		Jeffersonville	Niel Wolfish	Winnipeg	1021
WASK		Lafayette	Niel Wolfish	Winnipeg	857
WAOV		Vincennes	Laura McCusker	Hillsdale, NJ	731

KCDR	IA	Cedar Rapids	Laurie Boyer	Invercargill	8630	WATA	NC	Boone	Robert Kramer	Chicago	519
KWBW	KS	Hutchinson	Shawn Axelrod	Winnipeg, MB	818	WGNC	Gastonia	Charles Reh	Leamington	472	
WTCO	KY	Campbellsville	Russ Edmonds	Little Silver, NJ	652	WHVH	Henderson	Andy Rugg	Montreal	695	
WWXL		Manchester	Jeff Falconer	Clinton, ON	471	WHPK	Hendersonville	Frank Merrill	Milan	469	
WPAD		Paducah	Russ Edmonds	Parsippany	825	WGNS	Murfreesboro	Don Treford	Scarborough	654	
WLKS		West Liberty	Jerry Starr	Youngstown	245	WNOS	New Bern	Don Lynch	Chelmsford, MA	601	
KSIG	LA	Crowley	Roy Millar	Marysville, WA	2000	WFBS	Spring Lake	Mike Csrabay	Canfield	555	
KNOC		Natchitoches	Frank Merrill	Milan	883	KGCA	Rugby	Roy Millar	Marysville	1034	
WNPS		New Orleans	Charles Reh	Leamington	933	KBMW	Wahpeton	Esa Hnninen	Lemmenjoki	3968	
WLKN	ME	Lincoln	Don Lynch	Wakefield, MA	246	WJER	OH	Jeff Falconer	Clinton	214	
WRKD		Rockland	Steve Whitt	Anglesey, N. Wales	3013	WMOH	Dover	Niel Wolfish	Winnipeg	1003	
WXIV		South Paris	Rodney Valdron	Petit Rocher	340	WLBC	Hamilton	Shawn Axelrod	Winnipeg	(Tie) 1003	
WTBO	MD	Cumberland	Rodney Valdron	Petit Rocher	860	KWHW	OK	Don Treford	Scarborough	227	
WTHU		Thurmont	Charles Reh	Leamington	317			Niel Wolfish	Winnipeg	1055	
WCEA	MA	Newburyport	Don Lynch	Wilbraham, MA	88			Shawn Axelrod	Winnipeg	(Tie) 1055	
WMAS		Springfield	George Walton	Easton, PA	180	KGFF	Shawnee	John Wilkins	Wheat Ridge	526	
WATZ	MI	Alpena	MB DXpedition *	Valhalla Beach, MB	735	KSIW	Woodward	Niel Wolfish	Winnipeg	927	
WHTC		Holland	Carl Dabelstein	Omaha, NE	514	KKXO	OR	Esa Hnninen	Lemmenjoki	4479	
WMIQ		Iron Mountain	Niel Wolfish	Winnipeg	503	KFLS	Klamath Falls	Esa Hnninen	Lemmenjoki	4591	
WIBM		Jackson	Shawn Axelrod	Winnipeg	(Tie) 503	KBLM	LaGrande	Esa Hnninen	Lemmenjoki	4340	
WKLA		Ludington	Ron Musco	Windsor	580	KBPS	Portland	Tim Hall	Vancouver, WA	8	
WNBY		Newberry	Mike Knitter	Cambridge, WI	151	WWGO	PA	Don Lynch	Boston, MA	460	
WHLH		Port Huron	Russ Edmonds	Parsippany	679	WFRA	Erie	UK DXpedition	Sheigra, Scotland	3326	
KATE	MN	Albert Lea	Steve Francis	Alcoa	503	WDAD	Franklin	Steve Francis	Alcoa	423	
KBUN		Bemidji	Niel Wolfish	Winnipeg	512	WPAM	Indiana	Mike Csrabay	Canfield	245	
KBMW		Breckenridge	Shawn Axelrod	Winnipeg	(Tie) 512	WMPT	Pottsville	Frank Merrill	Toledo, OH	357	
WELY			Gary Atkins	Louisville, KY	805	WMAJ	South Williamsport	Rodney Valdron	Petit Rocher	770	
KCLD		Ely	Morris Sorensen	Leaf Rapids, MB	755	WJPA	State College	Steve Francis	Alcoa	364	
WROX	MS	St. Cloud	Mike Csorabay	Canfield	682	WKRI	Washington	Derek Taylor	Preston, England	3163	
WCJU		Clarksdale	Don Treford	Scarborough, ON	736	RI	West Warwick	Andy Rugg	Montreal	930	
WJXN		Columbia	Andy Rugg	Waterloo, ON	820	WQSN	Charleston	Frank Merrill	Milan	545	
WMGP		Jackson	Charles Reh	Leamington	847	WCBS	Greenwood	Carl Dabelstein	Omaha	478	
WNAT		Meridian	Charles Reh	Leamington	790	WQOK	Hartsville	Jim Renfrew	Rochester	655	
WROB		Natchez	Don Treford	Scarborough	927	KBFS	Myrtle Beach	Carl Dabelstein	Omaha	478	
KFTW	MO	West Point	Bill Lackey	Kingsville, TX	455	KYNT	Belle Fourche	Niel Wolfish	Winnipeg	485	
WMBH		Fredericktown	Jerry Starr	Youngstown	685		Yankton	Shawn Axelrod	Winnipeg	(Tie) 485	
		Joplin	Carl Dabelstein	Omaha	660	WLAR	Athens	Tim Hall	Winnipeg, MB	(Tie) 485	
			Niel Wolfish	Winnipeg	905	WMOC	Chattanooga	Mike Csrabay	Canfield	515	
KIRX		Kirksville	Shawn Axelrod	Winnipeg	(Tie) 905	WDSG	Dyersburg	Rick Carr	Austin	802	
			Niel Wolfish	Winnipeg	730	WSMG	Greeneville	Don Treford	Scarborough	744	
			Shawn Axelrod	Winnipeg	(Tie) 730	WLAF	La Follette	Carl Dabelstein	Lincoln	821	
KOKO		Warrensburg	Paul Mount	Teanec, NJ	1055	WGNS	Murfreesboro	Steve Francis	Alcoa	43	
KWPM		West Plains	Tom Sundstrom	Willingboro, NJ	960	KAYC	TX	Don Treford	Scarborough	660	
KXXL	MT	Bozeman	Laurie Boyer	Invercargill	8016	KBEN	Beaumont	Eric McIntosh	Lincoln	8026	
KUDI		Great Falls	Esa Hnninen	Lemmenjoki	4114	KCTI	Carizzo Springs	Carl Dabelstein	Invercargill	865	
KGMY		Missoula	Gene Allen	Vallejo	745	KMBL	Gonzales	Bill Hale	Converse, TX	47	
KRBM		Red Lodge	Gene Allen	Vallejo	840	KCYL	Junction	Roy Millar	Marysville	1680	
KTXX		Whitefish	Roy Millar	Marysville	382	KNET	Lampasas	Stephen Ponder	Ft. Worth, TX	140	
KVCK		Wolf Point	Niel Wolfish	Winnipeg	402	KSNY	Palestine	Rich Eddie	St. Louis	620	
			Shawn Axelrod	Winnipeg	(Tie) 402	KURA	Snyder	Brett Hanavan	Chula Vista, CA	942	
			Niel Wolfish	Winnipeg	668	KEYY	Moab	Carl Dabelstein	Omaha	761	
KWBE	NE	Beatrice	Shawn Axelrod	Winnipeg	2086	KDXU	Provo	Shawn Axelrod	Winnipeg	969	
KONE	NV	Reno	Frank Merrill	Nenana	504	KSNO	St. George	Shawn Axelrod	Winnipeg	862	
WKXL	NH	Concord	Jeff Falconer	Clinton	3962	VT	Barre	Bill & Nancy Hardy	Aberdeen, WA	410	
WIIN	NJ	Atlantic City	Esa Hnninen	Lemmenjoki	665	WTSA	Brattleboro	Rodney Valdron	Petit Rocher	452	
WCTC		New Brunswick	Rodney Valdron	Petit Rocher	7703	WFTR	VA	Jeff Falconer	Clinton	645	
KLOS	NM	Albuquerque	Laurie Boyer	Invercargill	1109	WENZ	Front Royal	Rich Eddie	St. Louis	461	
KLMX		Clayton	Frank Merrill	Milan	861	WREL	Highland Springs	Frank Merrill	Milan	949	
KOBE		Las Cruces	Mike Hawk	Omaha, NE	1115	WMVA	Lexington	Bob McCoy	Lincoln, NE	439	
KSEL		Portales	Shawn Axelrod	Winnipeg	309	WFQG	Martinsville	Greg Coniglio	Clarence, NY	400	
WCLJ	NY	Corning	Don Lynch	Lynn, MA	463	KAYO	Suffolk	Chris Lucas	Ithaca, NY	4291	
WWSC		Glens Falls	Charles Reh	Leamington	209	WA	Aberdeen	Esa Hnninen	Lemmenjoki	306	
WHDL		Olean	Charles Reh	Leamington	580	KCLX	Colfax	Bill Hardy	Aberdeen	4212	
WKIP		Poughkeepsie	Rodney Valdron	Petit Rocher	220	KONP	Port Angeles	Esa Hnninen	Leavenworth, WA	653	
WKAL		Rome	Mike Csorabay	Canfield		KAYE	Puyallup	Pete Taylor	San Francisco, CA	272	
						WWBB	WV	Frank Merrill	Holland, OH	318	
						WPAR	Parkersburg	Jim Renfrew	Rochester		

KFIZ	WI	Fond du Lac	Morris Sorensen	Leaf Rapids	1055	
WHRY		Hurley	Niel Wolfish	Winnipeg	442	
WDLB		Marshfield	Shawn Axelrod	Winnipeg	(Tie) 442	
WRCO		Richland Center	Niel Wolfish	Winnipeg	522	
KBBS	WY	Buffalo	Shawn Axelrod	Winnipeg	(Tie) 522	
KVOW		Riverton	Niel Wolfish	Winnipeg	593	
CFHC	AB	Cammore	Shawn Axelrod	Winnipeg	(Tie) 593	
CBXC		Coleman	Niel Wolfish	Vallejo	915	
CKYR		Jasper	Shawn Axelrod	Bellflower	820	
CBKS	BC	Cache Creek	Gene Allen	Marysville	392	
CHET		Chetwynd	Mike Sanburn	Marysville	458	
CBXH		Cooper Creek	Roy Millar	Marysville	1244	
CHBV		Houston	Roy Millar	Winnipeg	15	
CKSP		Summerland	Shawn Axelrod	(near) Ashcroft, BC	1110	
CBG	NF	Gander	Tim Hall	Nenana	413	
CFAB	NS	Windsor	Frank Merrill	Leavenworth	3813	
CFJR	ON	Brockville	Roy Millar	Leavenworth	207	
CHUC		Cobourg	Esa Hänninen	Banff, AB	2694	
CJBM	PQ	Causapscal	Tim Hall	Göteborg, Sweden	2604	
CHEF		Granby	Olle Alm	Sheigra	386	
CBMA		Noranda	UK DXpedition &	Leamington	1027	
CHRT		St. Eleuthere	Charles Reh	Valhalla Beach	3549	
XEYZ	AGU	Aguascalientes	MB DXpedition *	Montreal	78	
XESS	BCN	Ensenada	Andy Rugg	Lemmenjoki	665	
XEJM	NL	Monterrey	Esa Hänninen	Kirkland Lake, ON	227	
XETD	NAY	Tecuala	Morris Sorensen	Uniontown, MD	3129	
XECB	SON	San Luis Rio Colorado	Joe Kureth	Hilo, HI	1106	
VSBI	BER	Hamilton	Tim Hall	Omaha	127	
R. Antilles		St. Vincent	Richard E. Wood	20mi W of Puerto Vallarta	739	
CMJF	CUB	C Amancio R	Mike Hawk	John Wilkins	3129	
			Tim Hall	Esa Hänninen	1106	
			John Wilkins	Steve Whitt	20mi W of Puerto Vallarta	4179
			Esa Hänninen	Shawn Axelrod	Wheat Ridge	4135
			Steve Whitt	Lemmenjoki	Anglesey	1500
			Shawn Axelrod	Orleans, ON	Orleans, ON	

* = UK DXpedition [Steve Whitt, Mark Hattam, Clive Rooms]
* = Manitoba DXpedition [Shawn Axelrod & Wayne McRae]

GLENN HAUSER's DX DAILY RESUMES APRIL 12. HOT MW DX TIPS AND PROGRAM ITEMS ARE WELCOME IN ADDITION TO SW ITEMS. LAST-MINUTE DX TESTS WILL BE PUBLICIZED HERE. LISTEN UTC TUE SAT 0130 ON 7315, REPEATED 0600 ON 7315, 9495, EXCEPT SATURDAYS THE REPEAT IS AT 1400 ON 9465, 15105-- ON RADIO MIAMI INTERNATIONAL VIA WHRI. LISTEN FOR NEW ADDRESS, PHONE AND FAX NUMBERS TO BE ANNOUNCED HERE AND ON WORLD OF RADIO.

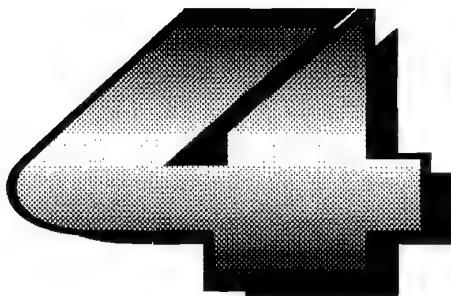
THE WORLD OF RADIO SCHEDULE RECENTLY GIVEN ON FRONT PAGE OF DXN WAS EXTREMELY OUTDATED. THE SAME PROGRAM IS ON WPCR, WRNO AND RFPI EXCEPT ON RARE OCCASIONS WHEN SEPARATE EDITIONS ARE PREPARED. THE ANTICIPATED SCHEDULE DURING APRIL FOR THE DST PERIOD IS:
(TIMES AND DAYS STRICTLY UTA)

ON WCR NASHVILLE: FRI 2115 ON 15685, UT SUN 0305 AND 0700 ON 7435, 2300 ON 15685,
MON 1230 ON 15685, TUE 1130 ON 12160 OR 15685; ALSO MAX APP. SAT.

ON WRNO NEW ORLEANS: SAT 8 SUN 2030 ON 15800, UT SUN 0200 ON 5810.
ON RADIO FOR PEACE INTERNATIONAL, COSTA RICA: FRI 20, UT SAT 04, 12, 18, SUN 02, 10, 23,
MON 07, 15, TUE 19, WED 03, 11. ON 3 OR 4 OF THESE FREQUENCIES:
7375, 7385-USB, 13630-USB, 15030, 21465-ISR.

WORLD OF RADIO ALSO INCLUDES MEDIUMWAVE DX NEWS AND NEWS OF DOMESTIC MEDIA DEVELOPMENTS, EQUIPMENT REVIEWS, PUBLICATION INFORMATION.

DOMESTIC STATIONS CARRYING WORLD OF RADIO: WHUS, 91.7, STORRS CT, FRIDAYS 10:30 AM ET.
WPKN, BRIDGEPORT CT, SATURDAYS 2:30 PM ET, 89.5
WSUI, IOWA CITY IA, SATURDAYS 10:30 PM CT, 910
WNQM, 1300 NASHVILLE TN, SATURDAYS 12:25 AM CT



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SOFTWARE **PIECES** • for the • MEDIUMWAVE **BAND**

Much has been written and even more has been said about the advantages of computer-aided DXing (CADx). Unfortunately, a disproportionately large number of those words has been advanced in support of DOS and Windows-based computers. There are however, a few of us Medium Wave DX'ers who utilize Macintosh computers in pursuit of DX. This article is intended to review and compare three different pieces of Macintosh Propagation Software: MacShortwave 1.0, Mac Mini MUF (no version number available) and DX Helper 1.4. All of these Applications were written for, and are aimed directly at Shortwave Listeners and/or Ham Radio operators. However, each one possesses at least a few qualities that likely will make them of some use to MWDX'ers. In addition, the benefits of utilizing MAP are detailed in the final section.



Mac Shortwave

Mac Shortwave: An 84K Application. For MW DXers, this software is probably of the least use of the three. Still, it can be valuable when used with the understanding that it is intended for SWLs. Upon opening the Application, today's date is already displayed on screen, dependent upon the user having properly set the Mac's Alarm Clock. (See Fig. 1)

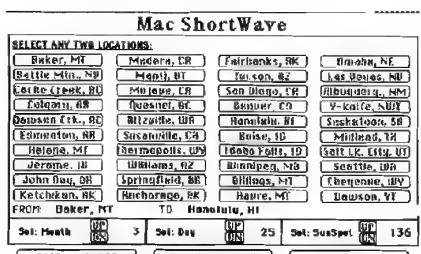


Fig. 1. Mac Shortwave opening screen

user chooses. Also displayed is distance (mileage) between transmitting and receiving sites, and bearing heading in degrees. (See Fig. 2) Pushing "Previous Chart" allows for overlay of up to 20 previously-generated charts (within the same session) for comparison.

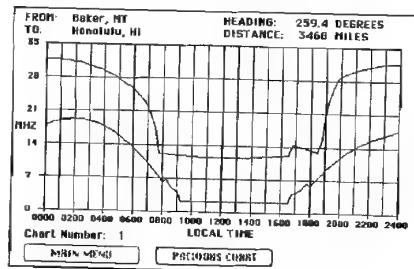


Fig. 2 Mac Shortwave chart screen

MacShortwave does have a few drawbacks, thus making it of "least use" of the three Applications to the MW DX'er. Most notable is its propensity for "flattening" the bottom end of the Max. and Min. UF curves at about 3 or 4 Mhz., even when the Max. and Min. fall below that. For MW DX'ers, this can be a bit frustrating considering that all frequencies DX'ed are considerably below that lower limit. Both Mac Mini MUF and DX Helper (reviewed below) bring the bottom of the curve to a much lower point.



MacMini MUP

One of Mac Shortwave's drawbacks is its questionable accuracy. Going head-to-head-to-head with Mac Mini MUF and DX Helper, there can at times be huge discrepancies between Mac Shortwave's projection of MUF's when compared to the projections of the other two. Ninety-nine percent of the time, Mac Mini MUF and DX Helper agree to within a couple KHz. in their propagation projections. Atleast 50% of the time, Mac Shortwave's projections vary widely. In practice, I never allow Mac Shortwave to stand as the final authority on any particular day's propagation projection.

If for no other reason, Mac Shortwave can still be valuable to the MW DX'er in that it accurately displays bearing headings in degrees (for pointing loop antenna nulls) and accurately calculates mileages. In addition, a *rough* idea of Maximum and Minimum Useable Frequencies and times of occurrence can be obtained by using Mac Shortwave. This can at least supply the MW DX'er with a general idea of when and by how much the propagation conditions will be or have been changing, allowing for possible exploitation of an anticipated opening.

Mac Shortwave 1.0 is © 1989 and is priced in the under \$10.00 range as part of a package of Shareware that includes Mac Mini MUF. Contact Kinetic Designs, P.O. Box 1646, Orange Park, FL 32067-1646. It can also be obtained for a \$12.00 Shareware fee from its producer: BXA Research, 2704 Nighthawk Dr., Plano, TX 75025-2126. A newer version may well be available, but even after sending in my Shareware fee more than a year ago, no news on its availability has been forthcoming.

reassuring to the user that the digital readout resolves frequencies to a tenth of a MHz.

There are no pre-set buttons to be programmed on Mac Mini MUF. The date is already displayed on screen upon the opening of the application, dependent upon the user having properly set the Mac's Alarm Clock. (See Fig. 3)

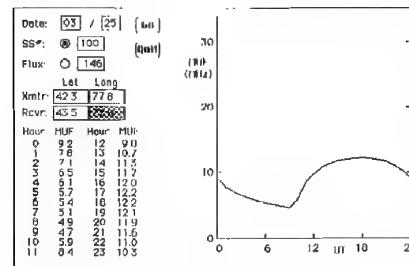


Fig. 3 Mac Mini MUF chart screen

Mac Mini MUF will accept either the standard-issue WWV Solar Flux Value or its "Sunspot Number" equivalent. Upon opening the Application, the transmitting and receiving latitudes and longitudes automatically default to 42.3 lat., 77.8 long.; and 43.5 lat., 72.8 long., respectively (somewhere near Rochester, NY and Rutland, VT), and the Solar Flux Value automatically defaults to 146. All settings can be changed simply by double-clicking on the box and keying in the proper info. After having completed that operation, simply press the "GO" button and Mac Mini MUF displays an MUF chart.

Unfortunately, Mac Mini MUF is something of a bare-bones propagation Application, and as such, displays no calculated mileages or bearing headings, as does Mac Shortwave. However, it appears to be quite accurate, at least when compared with DX Helper and against Mac Shortwave. When two Applications agree on propagation calculations and one is in disagreement by several Mhz, its easy to question the one renegade.

Mac Mini MUF is © 1987 and was created by J. Scott Weaver KA2OVS, 3 Sayles St., Alfred, NY 14802. There is no

Shareware fee listed on my copy, but it is priced in the under \$10.00 range when purchased as part of a package of Shareware that includes MacShortwave. Contact Kinetic Designs, P.O. Box 1646, Orange Park, FL 32067-1646.



DX Helper 1.4

DX Helper 1.4: A 191K Application. By far, the most complete, and therefore, the most useful of these three Applications. Upon opening the DX Helper, three boxes appear: Key in the receiving location's latitude, longitude and the current Solar Flux Value. Click OK. When the Application opens, the user sees a screen that features a Rectangular World Map, a scrolling list of Amateur Radio country prefixes, and five buttons: "Az/Eq Map", "Rect. Map", "Oblasts", "DXCC" and "Int'l". Of these five buttons, "Rect. Map" and "DXCC" are the defaults and thus, their accompanying graphics are displayed. (See Fig. 4)

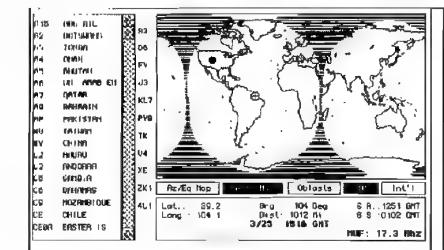


Fig. 4 DX Helper Rectangular Map screen

Pressing the "Az/Eq Map" button will execute a North Pole-projected Great Circle Map of the world centered on the receiving site's location. (See *Fig. 5*) Pushing "Oblasts" will bring up a list of Russian Oblast prefixes and corresponding Ham Radio-related info. Pushing "Int'l" will execute a list of international Ham prefixes. Selecting one of the prefixes will result in a box that details the name of the host country.

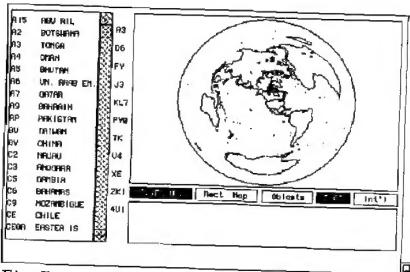


Fig. 5 DX Helper Az/Eq Map screen

Most of the info displayed when in the "Oblasts", "DXCC" and "Int'l" modes is of little use to the MWDX'er, and thus will not be detailed here. Of major interest is the "Rect. Map": Choosing any spot on the globe and clicking the mouse will execute an info box with the following MWDX-pertinent information for the selected site: Latitude; Longitude; Time Zone; Bearing degrees; Distance (miles); current date and time in GMT; Sunrise and Sunset (at the selected site); and MUF. Double clicking on the selected site will yield this same info box, along with a 24 hour propagation chart that also delineates the current time. (See Fig. 6)

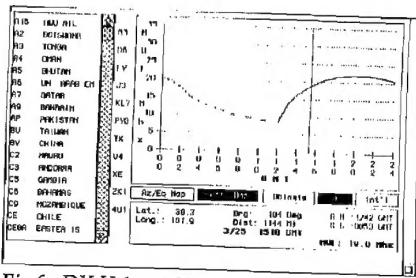


Fig. 6. DX Helper MUF chart screen

The Sunrise and Sunset listing feature is of particular interest to MWDXers interested in those particular modes of propagation.

In addition, DX Helper features the following: A display point (circle with a cross in the middle) on the Rect. Map that represents current noon, wherever in the world it happens to be; an option that allows for CW code practice; and an option that allows for the display of

current Gray Line. Also available is an option that allows for a Distance and/or Bearing List for major countries (based on the receiving site) to be printed to an ImageWriter printer. Under the Option Menu, an alarm can be selected which, when turned on, will automatically sound-off at 17 minutes past each hour (provided the Mac's Alarm Clock is properly set) to remind the user to tune to WWV at 18 minutes past the hour to receive the latest propagation information. Also under the Option Menu is a Refresh option that will automatically update the Gray Line and time every ten minutes to negate the need to restart the program to redraw the screen.

Perhaps the most interesting of the options offered is the MUF/Area/Gray Line Display. This allows the user to input an upper, mid, and lower frequency limit. The Mac will then display on the Rectangular Map the areas of the world where the MUF falls above and below the mid-point. (See Fig. 7)

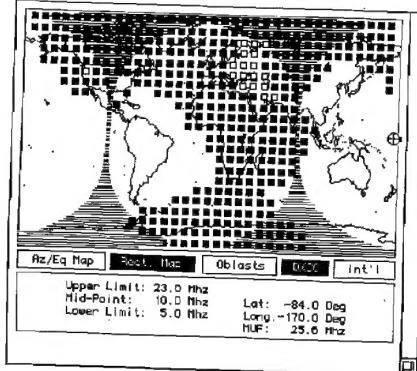


Fig. 7 DX Helper MUF/Area/Gray Line screen

In most instances this will be of limited use to the MWDX'er as the lower limit rarely falls into Broadcast Band frequencies, but during periods of abnormal propagation conditions, may prove to be quite useful.

DX Helper is not without its shortcomings. Most annoying is that it has no internal translator for converting the Mac's Alarm Clock to GMT. Thus, the

Alarm Clock must always be set to GMT (thereby displaying erroneous date and time for the user's local time zone when called up), or the user must always remember to re-set the Alarm Clock to GMT before using DX Helper, then set it back again to local time when shutting down.

Additionally, the MUF/Area/Gray Line feature typically takes up to six minutes to calculate an entire world map. And if the user's screen saver (such as After Dark) happens to kick-in during the calculation, cancelling it will not restore the MUF/Area/Gray Line calculation routine on the screen; it must be restarted, thereby tying up additional computer time. (Temporarily killing-off the screen saver is the most effective remedy for this malady.)

Another annoyance is that the Distance and Bearing Lists will print only to an ImageWriter; those of us with Bubble Jet or Laser printers must do without hardcopy (and the lists will not display on screen...!).

DX Helper 1.4 is © 1989 and was offered for approximately \$40.00 at release. To my knowledge, there has not been an updated version yet made available. It can be ordered from Mac Trak Software, P.O. Box 1590, Port Orchard, WA 98366.

Although each of the above Applications was written in the late 1980's, all are compatible with System 7. (Oddly, Mac Mini MUF will only run under System 7 with Virtual Memory "on" and set to 5 Megs.) Each will run under System 6.0x. If desired, all three can be run simultaneously on earlier Systems (a pseudo-simulation of one of System 7's tricks) if the user utilizes System 3.02 and Application Switcher 1.5 (contact me personally for more info on this; Application Switcher may no longer be marketed or available through software outlets.)



DX Locator

MAP: A 38K Application. Often it is beneficial to the MWDX-chaser to have an at-hand reference of major ("target") cities and their concomitant latitudes/longitudes. Goode's World Atlas is a favorite at this shack for pin-pointing the center of selected cities. However, beginning with System 6.0x or so, Apple has offered a Control Panel utility labeled "MAP". MAP displays a scrolling world map with the user's current location highlighted, and comes from the factory with most of the major world cities' latitudes and longitudes pre-programmed. Additional cities can be keyed-in by the user. (See Fig. 8)

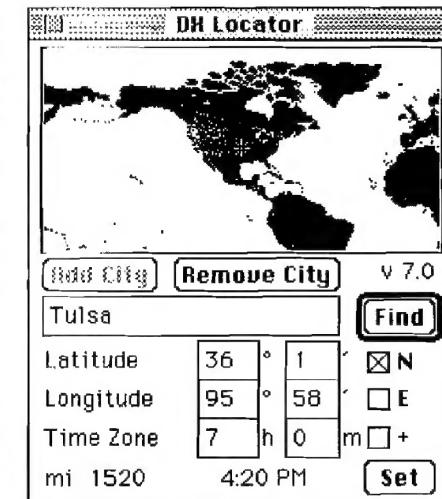


Fig. 8 MAP/DX Locator screen

In addition, MAP will display the Time Zone of selected city, current time in GMT (dependent upon the user having correctly set the Mac's Alarm Clock), and mileage between receiving site and selected city (particularly useful when double-checking Mac Shortwave or DX Helper!).

The wise MWDX'er learns that MAP can be a useful supplementary tool

when utilizing any of the reviewed Propagation Software; no longer must the user dig through hardcopy references to locate coordinates for the target of choice; quickly referencing MAP will supply the necessary data (provided it was properly keyed-in by the user!) I have re-named my copy of MAP "DX Locator" (for alphabetical purposes) and placed it under the Apple Menu to allow for quick reference. Because I reside on the west coast, my "DX Locator" is chock-full of California, Hawaii, Arizona, Washington, Oregon, Idaho, Montana, Nevada, British Columbia, Alberta and Utah cities. Custom-tailoring of MAP will allow each individual user to best suit his/her own needs. MAP is ©1987-1991 and is available (if nowhere else) from Apple dealers (as part of their "free" System upgrades.)

Even though the IBM-knockoff groups apparently out-number us, there is still room in the MWDX world for us Mac users. Anyone who has tried, who is willing to try, or is currently using any of the above-mentioned software and would like to compare notes is encouraged to contact me. Comments and/or suggestions are, of course, welcome. I can be reached through the IRCA Membership List.

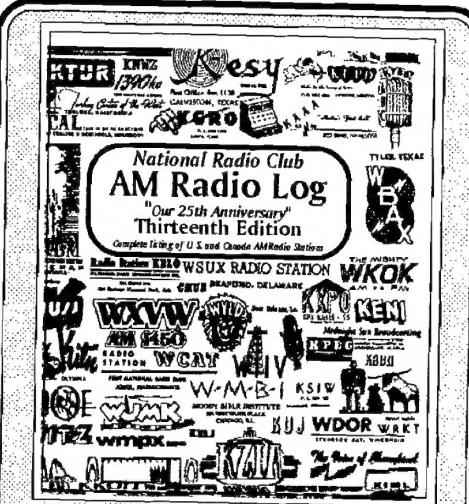
Review of the above software Applications does not, in any manner, constitute an endorsement of the product or a recommendation of purchase

by the author

This article was written and compiled on a Macintosh LCII/80, utilizing MicroSoft Word 4.0, PageMaker 4.2 and TypeStyler 2.0. Graphics are "snapshots" of actual on-screen displays.



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Formats

Changes in programming status; reported by listeners

Congratulations to Eric Bueneman who now writes that he is the owner of KXLW-107.1, in Hazelwood, MO! Eric is currently formatting oldies on his station, which he put on the air at 3:12pm, on 1-18-91. Hopefully, Eric, you will avoid most traditional talk, business news, and satellite fed music with bland announcements, three of the biggest wastes of air time one can imagine. Seriously, Eric, the very best of luck with your endeavor!!!!

I am planning my annual railroad (and, I hope, radio station) trip for July. I do not know where to this time. A new, rapid transit line in Chicago will not open by July, so may forgo the Windy City and St. Louis (another soon to open commuter rail line using Light Rail Vehicles may open this summer) for another time. Other option is trip through Pittsburgh, Atlanta, Baltimore, Washington and Miami. Hope to get the Station Profiles column back on line.

Other than that, Musings editor Dave Schmidt and the *M Utgrot Journal* are our contributors for this edition of Formats. Here we go with the hopes and business decisions from the broadcasting world.

550	KMVI HI Walluku	- Mix of AC and Hawaiian music (M).
570	KQNG HI Lihue	- AC (M).
570	WKYX KY Paducah	- AC/Talk "AM 570, WKYX" (KH).
590	KEZK 11.1 Wood River	- Soft AC//FM, soon to be import (EB).
590	WKHX GA Atlanta	- SMN Real Country (KH).
600	CIQC PQ Montreal	- News and talk days, country music at night (M).
680	WEZI TN Memphis	- Country music // FM (M).
680	WOGO WJ Hallie	- Gospel (M).
730	KWRE MO Warrington	- Country music, "73 country" (EB).
730	WPIT PA Pittsburgh	- Contemporary Christian, sold to Salem Broadcasting (M).
740	WRPX WI Hudson	- Standards (M).
810	KCMO MO Kansas City	- News, talk, some big band "81 KCMO" (EB).
830	KPLS CA Orange	- CSN Preteen (M).
840	KDBS OR Eugene	- New station, soft oldies "BS-84" (M).
850	KCTQ CA Thousand Oaks	- CSN Preteen//KPLS (M).
940	WGFP MA Webster	- WOR, ABC Talk (M).
950	WNCC PA Barnsboro	- Contemporary Christian // WCRO (M).
960	WLWV MD Salisbury	- Now sports, SMN Sports (DS).
970	KQAO MN Austin	- Unis CNN Headline News (M).
990	WEBB NC Southern Pines	- Talk//WCRR (M).
1030	WCFS MN Maplewood	- Religion (M).
1030	KBZR MO Blue Springs	- Country music//KBEQ (M).
1060	CFCN AB Calgary	- Hot AC (M).
1070	WIBC IN Indianapolis	- All talk (M).
1070	KCRR TX Houston	- Contemporary Christian (M).
1080	WLVN AL Brandley	- Classic country (M).
1110	KYKK NM Hobbs	- Talk (M).
1150	WGBN PA New Kensington	- Black gospel (M).
1150	WJZS SC Orangeburg	- News, talk (M).
1230	KGEO CA Bakersfield	- Sports, SEN Sports (M).
1230	WFOM GA Marietta	- BRN Business news days, religion nights (EB).
1230	WITH MD Baltimore	- Still standards as of 3/5 (DS).
1240	WBBW OH Youngstown	- Unis CNN Headline News (M).
1270	WKBF IL Rock Island	- SMN Real Country music (EB).
1310	WAUC FL Wauchula	- Spanish, Mexican (M).
1310	KEIN MT Great Falls	- SMN Country music (M).
1310	KZVE TX San Antonio	- Tejano//KTTN (M).
1320	CHQW BC Vancouver	- Standards days, brokered Chinese nights (M).
1340	WYCK PA Wilkes Barre	- Easy listening//WICK-1400 (M).
1340	KYYD TX Houston	- CSN Preteen (M).
1360	KHNC CO Johnstown	- USA, Sun Talk (M).
1370	KTMG CO Deer Trail	- JSN Country music (M).
1380	KASP MO St. Louis	- Drops all sports for CHR//FM (EB).
1420	WCOJ PA Coatsville	- Talk in afternoon including L> King (DS).
1450	KGRE CO Greeley	- Country music days, Spanish nights (M).
1460	WCRY NC Fuquay-Varina	- News, talk (M).
1470	WRBD FL Pompano Beach	- All rap (M).
1480	KRED CA Eureka	- SMN Traditional country music (M).
1480	KRRU CO Pueblo	- Spanish (M).
1480	WYZE GA Atlanta	- Now Black gospel, still the "Wise Old Radio Station" (EB).

Hot Country!

1560 KIQS CA Willows - Country music, Spanish (M).
 1560 WINV FL Inverness - Talk, five networks! (M).
 1560 WSQR IL Sycamore - Modern rock, temporarily run by Northern Illinois University students! (M).
 1570 WBGZ IL Alton - News, talk "Z-1570" (EB).
 1580 KZKY NM Albermarle - Talk (M).
 1590 WASB NY Brockport - Southern Gospel (M).
 1590 WHPV NC Clayton - Talk//WCRY (M).
 1590 WCZN PA Chester - "Unforgetable 1590" Stardust Standards (DS).

And a Dial Scan from the Poughkeepsie, NY area as appearing in the Poughkeepsie Journal....

920 WGHQ (Kingston) - "Hits of the past fifty years".
 950 WHVW (Hyde Park) - Satellite fed country music.
 1020 WKZE (Sharon, CT) - News, information.
 1220 WGNY (Newburgh) - Unis CNN Headline News, local news.
 1260 WBNX (Beacon) - Oldies of the 50's, 60's, and 70's, and sports.
 1390 WEOK (Poughkeepsie) - Adult standards of the 40's thru 60's.
 1490 WKIP (Poughkeepsie) - News, information, sports, //FM.
 1490 WKNY (Kingston) - Full service news, sports, information and AC music for Kingston.

All for now. Thank you to our contributors! And do send your local format changes to your Formats column!

73's

VIRGIN RADIO 1215



Thank-you for writing in to Virgin Radio. We are pleased to send you the following information on VIRGIN 1215.

- * **VIRGIN 1215** is the first national commercial rock station to be launched in Britain.
- * The licence was granted by the Radio Authority in Spring 1992, to a joint venture company formed by Virgin and TV-am. On 8th March, Virgin increased its stake to 75%, while venture capital company Apax acquired the remaining 25% from TV-am.
- * The station will go on air at 12.15 in the afternoon on Friday, 30th April.
- * **VIRGIN 1215** will broadcast quality rock music 24 hours a day.
- * Its guiding principle will be 'Much More Music', with intelligent and informative comment, not DJ chatter.
- * The music will encompass all the classic tracks of the past 25 years. Not Golden Oldies, but great music for the generation who grew up knowing the difference between good music and the rest - and who still listen to the best of the new music today.
- * **VIRGIN 1215** will be the first station to broadcast a weekly chart show concentrating on best selling albums - the only accurate guide for listeners who take their music seriously.

The Network as a whole is based on that formerly occupied by BBC Radio Three. However, we have installed new Harris DX50 transmitters at Brookmans Park, Washford, and Droitwich. Moorside Edge has two new DX50 units, (running in parallel) and Lissnagarvey has been equipped with a new Harris DX10 transmitter. (Westerglen in Scotland already operates a DX50 unit). Several other improvements have also been made, notably the addition of relays transmitters for those areas where surveys showed reception was below par.

our signal is also benefiting from the use of optimod audio processing and we have had a unit fitted at each individual transmitter site, providing us with the ability to "fine tune" each and every transmitter for optimum performance. In addition, the Optimod units have been customised to provide us with "brighter" audio quality, and so far, all reports we have received indicate that this has met with your whole-hearted approval.

The following list shows all those transmitters which are expected to be in service by the beginning of full test transmissions on April 1st 1992.

TRANSMITTER STATION	COUNTY	FREQ (KHz)	RADIATED POWER (kW)	NATIONAL GRID REFERENCE
BRIGHTON	Sussex	1215	1.1	TQ 234051
BROOKMAN'S PARK	Hertford	1215	125.0*	TQ 239050
CHELTENHAM	Glos	1197	1.0	SO 841230
CHESTERTON FARM	Gloucester	1197	0.2	TQ 477608
DARTFORD TUNNEL	Kent	1215	0.004	TQ 571769
DROITWICH	Worcs	1215	105.0*	SO 929663
DUNDEE	Angus	1242	1.0	NO 431290
FAREHAM	Hants	1215	1.3	SO 545058
FERN BARROW	Bedford	1197	0.5	SO 070926
HULL	Humberside	1215	0.3	TA 169258
HOO	Kent	1197	2.0	TQ 790720
KINGS HEATH	Northants	1197	0.5	SP 740633
LISNAGARVEY	N. Ireland	1215	16.0	NI 258619
MANNINGTREE	Essex	1224	0.5	TM 123295
MOORSIDE EDGE	Yorks	1215	250.0*	SO 070154
OXFORD	Oxon	1197	0.5	SP 567105
PLYMOUTH	Devon	1215	1.1	SX 490585
POSTWICK	Norfolk	1215	1.2	TG 303086
REDMOSS	Grampian	1215	2.3	NI 942024
SHEFFIELD	Yorks	1242	1.0	SK 348849
STOCKTON	Cleveland	1242	1.0	NZ 420218
TORBAY	Devon	1197	1.0	SX 878630
TROWELL	Notts	1197	1.0	SK 506398
WALLASEY	Merseyside	1197	2.0	SJ 305926
WASHFORD	Somerset	1215	100.0	ST 058410
WESTERGLEN	Scotland	1215	100.0*	NS 868773
WREKENTON	Tyne & Wear	1215	...	NZ 274598

Notes: The services at Hoo, Manningtree, Sheffield and Wallasey are being provided on a temporary basis until plant and facilities can be made available permanently. The radiated powers at these sites may, therefore, be lower than that of the final service.

* Denotes directional aerial pattern in use. Virgin 1215 will be radiating in excess of 700kW, making it one of the most powerful commercial radio stations in the World!

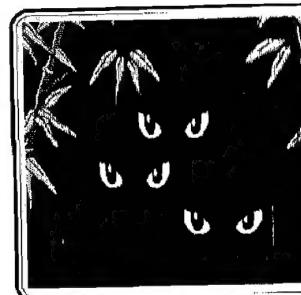
Thank you for your interest in Virgin 1215 and taking the time to write to us. I will arrange for a QSL card to be sent to you in due course.

Kind regards

Andy Semmell-Smith
Engineering Consultant

WEVD
AM STEREO 1050

Official National Radio Club Stationery
Professionally-printed with a new design ... just what you need for those verie requests, or for any correspondence. Sold in 100-sheet packs for \$5.00. Order from NRC Publications - Box 164 - Mannsville, NY 13661. NY orders, please add sales tax.



From NRC's DX Audio Service ...
'After Dark 3'

Four C-90 tapes in a holder now available for only \$9.50 postpaid. Listen to interviews with Jonathan Marks, Bruce Elving, and with Fred Vobbe answering your questions ... and features including profiles of WOJD-FM, the Kids format, and Pete Kemp's "Radio Roundup" ... and more! "AfterDark #2" is also still available at the same price. Order from NRC Publications - Box 164 - Mannsville, NY 13661. NY orders, please add sales tax.



CJA
Box 126
Lincroft, NJ 07738

FOR IMMEDIATE RELEASE

Because of a major "Nor'Easter" storm that knocked out power along the Eastern seaboard, many listeners were unable to hear WNEW's final broadcast as a music station on Friday, December 11, 1992.

Now, through the magic of audio tape, and one person's attitude of 'have boombox, will travel,' the final Mark Simone afternoon drive program, and other waning moments in WNEW's history are available from CJA.

"The Last Days of WNEW, 11-3-0 in New York" is a 90 minute composite offering you one last listen to WNEW's morning drive, the midday "Make Believe Ballroom" with Jim Harlan, and afternoon drive with Mark Simone. You'll hear some of the great moments in station history recalled as Simone chats with Bruce Williams, Paul Cavalcante, Jay Trelease, and longtime WNEW announcer Ted Brown. It also includes many station jingles, and various bandleaders' renditions of the WNEW theme.

WNEW first gained fame as a music station during the coverage of the Lindbergh baby kidnapping trials, when announcer Martin Block played records during breaks in the trial coverage. (WNEW being a new station couldn't afford to have live bands play in the studio, as was the norm in that day). But Westwood One, getting out of the radio ownership business, and Robert FX Sillerman, each sold their half ownerships to Bloomberg Financial, and business news is now broadcast at 11-3-0h in New York.

"The Last Days of WNEW, 11-3-0 in New York" is delivered on name brand audio cassette and lists for \$6.00 postpaid to North America (overseas add \$1.00)

WQXR-AM New York decided to end its simulcast with 96.3 FM, and picked up the big band / nostalgia format early in December of 1992. A companion tape, "The First Days of WQEW" lets you hear the changeover from classical to "American Popular Standards", and a sample of each air personality hired to keep the format going in New York City. This tape also lists for \$6.00 North America, \$7.00 elsewhere.

Those who wish to order both tapes can do so for just \$10 N.A., \$12 overseas

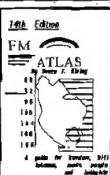
CJA also offers other historical material such as the last days of WNBC, some WABC, the startup of WIAN on 1050 and then on 660. An 18 page listing of tapes is available for a large SASI with 52 cents postage on it (free with any order).

**EXTRA SPECIAL OFFER: TAKE AN EXTRA DOLLAR OFF EACH TAPE
BY MENTIONING THE NATIONAL RADIO CLUB OR THE DX AUDIO
SERVICE.**

Please note ... inclusion of product notices in DX News does not constitute an endorsement of those products by the National Radio Club, Inc., or by its officers. Informational product notices are for the convenience of NRC members. DX News does not accept paid advertising.

"Latin America by Radio" - by Henrik Klemetz

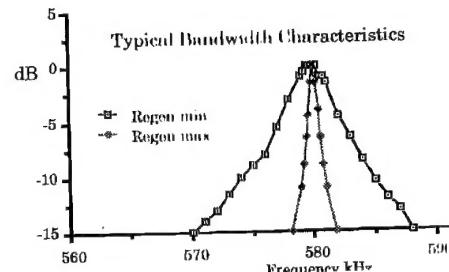
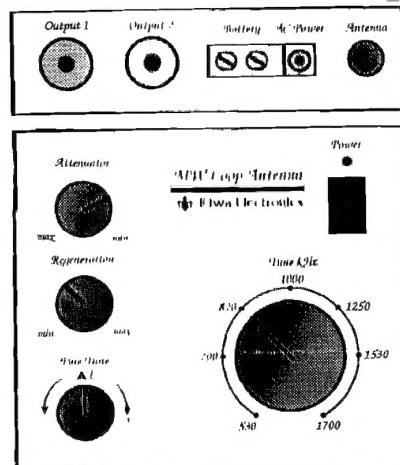
168 pages of tips and suggestions for the non-Spanish-speaking Latin American DX'er. Includes tips on identifications, catchwords, speech patterns, music, newscasts, advertising styles, brand names, weather and time check formats, and much more. \$17.95, from NRC Publications. NY orders, add sales tax.



Bruce Elving's FM Atlas ...14th Edition

The world-famous guide which has served FM DX'ers for over 20 years is available from NRC Publications at the special price of \$12.00. NY orders, please add sales tax.

High Performance MW Air-Core Loop Antenna



The loop antenna is made of the finest materials. The control surface shown above, is housed in a heavy duty steel chassis. Connection of the antenna to the control surface is by way of an eight foot control cable. The antenna uses teflon for all pivot points and the antenna is made entirely of non-metallic parts to prevent interaction with the loop antenna element. The antenna is hand crafted in the USA and carries a one year warranty.

Dimensions: overall height 17 inches, 43 cm
Weight: 16 pounds, 7.25 kg

- The antenna may be rotated for maximum signal pickup.
- The antenna "tilt" control includes 1 to 1 gear reduction for precise nulling of local signals and interference.
- The antenna "tilt" control can be adjusted to $\pm 90^\circ$ from vertical. The amount of tilt can be read directly in degrees.
- The -6 dB bandwidth may be adjusted from 15 kHz to less than 2 kHz for razor sharp selectivity. Balanced regenerative feedback provides antenna bandwidth control.

The antenna is now available and we are currently filling orders. The normal price is \$330.00, but from now until the 30th of April we are offering the antenna at a special Introductory Price of \$280.00.

All orders must be postmarked by the 30th of April to qualify for the Introductory Price. The antenna comes with a 30 day trial period and a one year warranty.

Introductory Price: MW Air Core Loop Antenna \$280.00

Shipping and Handling via UPS (continental US) \$10.00
Shipping and Handling via UPS to Canada \$17.00

Method of Payment: Payment must be in US funds:
Personal checks, postal money orders, cashier checks

Kiwa Electronics 612 South 14th Ave. Yakima WA 98902 Tele: 1-800-398-1146
or 509-453-KIWA